Draft Requirements for the ACMS Performance Specification

Introduction

The attached information provides draft requirements assembled and tailored by the ACMS Performance Specification support contractor, BDM Federal, Inc. These requirements are available for review and comment by the ACMS Task Force. The primary objective of the review is to develop a set of requirements that accurately express the needs the Army expects ACMS to fulfill. The Task Force should review the requirements for their technical accuracy, the completeness of their scope, and the appropriateness of their depth. Secondary objectives include weeding out redundant and unnecessary requirements.

Request for Comments

The ACMS Task Force members are asked to review each requirement and comment or revise as necessary. Task Force members should feel free to recommend deleting or modifying requirements. When suggesting a deletion, please provide a rationale, however simple it may be. When recommending a modification, please provide the desired revision. Modifications can include revising the requirement language itself or suggesting a different requirement category. Task Force members also should feel free to offer written additions to the set of requirements. Please propose a requirement category when offering a new requirement.

Please use the format provided in Attachment A to record your comments. Enter the name of the organization you represent (e.g., TACOM-WRN), your name, and your phone number at the beginning of the form. Each time you have a comment, please enter the requirement number (C0021, P1.5.2.2, D0011, J0152, etc.) and your comment. Precede the comment with a short indicator as to the type of comment you are making. Examples include the following: **Delete**, **Modify**, **New**, and **Replace**. If you find a duplicate requirement, indicate "Delete" on the one you do not want kept, explain that it is a duplicate, and list the requirement number of the one you want kept. An example comment is provided below.

Organization Name:	BDM		Date:	11-25-97
Reviewer Name:	Jim Cox			
Phone Number (DSN/COM):	No DSN/703-848-6739			
Email Address:	jcox@bdm.com			

Req No	Comments
J0288	Delete. Duplicate of C0115.

Note that we can accept comments from multiple reviewers from any given organization. Please provide each reviewer's comments as a separate file. Any given reviewer, however, should provide only one comment per requirement. The comment may be complex and cover multiple issues relative to the referenced requirement.

Requirements Organization

For this initial review, the draft requirements are organized into filtering requirements and Army unique requirements. The filtering requirements come in two forms: PDM and configuration management filters. The Army unique requirements currently are derived from three sources: the CMIS 5.1 SRS, responses to an ACMS data call, and the ACMS CONOPS.

Attachment B lists the PDM filtering requirements based on common capabilities provided by commercial PDM products. Attachment C lists configuration management filtering requirements based on capabilities derived from MIL-STD-2549 and MIL-HDBK-61. Army unique requirements based on responses to the ACMS data call and a review of the draft ACMS CONOPS for requirements gaps are listed in Attachment D. Army requirements based on requirements extracted and tailored from the CMIS 5.1 SRS are listed in Attachment E.

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Number of Requirements

Although BDM has significantly reduced the number of requirements by eliminating some duplication and many implementation level requirements, the job is not done. There are approximately 670 requirements contained in the accompanying attachments. Over 280 of those are from the CMIS 5.1 SRS (see Attachment E).

Note that BDM eliminated many CMIS requirements by combining several related requirements dealing with capturing, storing, presenting, updating, and deleting a particular item. BDM made them into a single compound requirement using terminology similar to the following: "… provide the capability to record, display, and maintain … ."

Also note that most of the CMIS requirements reflected a document view of engineering data management. In many cases, BDM attempted to expand the scope of many of the CMIS requirements by simply replacing "document" with "document/data." If better language is appropriate, please offer specific suggestions.

Suggested Review Strategy

A reasonable strategy for reviewing these requirements would be to examine Attachments B, C, and D first. This review should focus on the content, accuracy, level of detail, and completeness of the requirements in these three attachments. Next, Attachment E, the extracted CMIS requirements, could be reviewed in an effort to identify those specific Army requirements that need to be expressed and were not covered in the first three attachments. Again, the objective of this whole effort is to compile a list of requirements that accurately describes what the Army wants ACMS to do. If this strategy is adopted, BDM will remove from consideration any CMIS requirements (from Attachment E) that are not explicitly identified by the Army as a "keeper."

If you use this strategy, please note this at the beginning of the comment sheet. Also, enter the requirement number and the phrase "**Keep**." If necessary, you may indicate combinations of comment indicators. The example below illustrates what is intended.

Organization Name:	BDM		Date:	11-25-97
Reviewer Name:	Jim Cox			
Phone Number (DSN/COM):	No DSN/703-848-6739			
Email Address:	jcox@bdm.com			

Strategy: Reviewed Attachments B, C, and D carefully. Only reviewed Attachment E for requirements not covered elsewhere.

Req No	Comments
.....	....
J0289	Keep. No changes.
J0348	Keep/Modify. Change ECP to engineering change action.
.....	....

Attachment A
Comments on Draft ACMS Requirements

Organization Name:		Date:	
Reviewer Name:			
Phone Number (DSN/COM):			
Email Address:			

Req No	Comments

Attachment A
Comments on Draft ACMS Requirements

Req No	Requirement Category	Requirement Description	Source Note
	User Functions		
P1	**Data Vaulting**		
P1.1	Secure data storage	The ACMS shall provide for secure storage of product data sets in accordance with defined access control permissions and rules (see Access control and User authorization management). Secure storage is defined as the ability to preclude stored information from being viewed, reused, updated, or deleted without invoking system rules.	CIMData PDM Buyer's Guide (with extensions)
P1.2	Stored data		
P1.2.1	Types of stored data	ACMS shall provide the ability to store data sets which include product data files and/or documents (native or standard formats), metadata associated with managed product data, administrative data, references to data external to ACMS, records in an associated database, and electronic forms such as Engineering Change Proposal (ECPs).	CIMData PDM Buyer's Guide (with extensions)
P1.2.2	Non-versioned data	ACMS shall allow the user to create non-versioned data.	ACMS CONOPS
P1.2.3	Non-versioned vault	ACMS shall allow the user to store data in a non-versioned vault.	ACMS CONOPS
P1.3	Access control		
P1.3.1	Rules application	The ACMS shall provide for checking the identity and authorizations of users and restrict access as defined by access control permissions and rules (see User authorization management).	CIMData PDM Buyer's Guide (with extensions)
P1.3.2	Function access	The ACMS shall suppress functions not currently available to a user due to location in the menu tree or access restrictions.	BDM
P1.3.3	User feedback	ACMS shall provide a message box to notify a user that has been denied access to controlled files.	BDM
P1.3.4	Rule types	Rules shall be based on user identity and defined needs, user role, file type, or data release status.	VPSCii Guide (with extensions)
P1.3.5	Authorization monitoring & blocking	ACMS shall provide for monitoring requests for data and blocking or granting requests based on established permissions and access control rules.	VPSCii Guide (with extensions)
P1.3.6	Check-in data		
P1.3.6.1	Check-in control	ACMS shall provide for moving files or information (e.g., database records) from a user's workspace to the vault in accordance with user or file permissions in such a way that created, modified, or promoted data is placed under the security, access, change, and release control of ACMS.	CIMData PDM Buyer's Guide & VPSCii Guide

Req No	Requirement Category	Requirement Description	Source Note
P1.3.6.2	Hidden data location	ACMS shall be implemented in such a way that the user does not need to know the physical location of the checked-in data.	CIMData PDM Buyer's Guide & VPSCii Guide
P1.3.7	Check-out data		
P1.3.7.1	Check-out control	ACMS shall provide for moving files or information (e.g., database records) from the vault to an authorized user's workspace.	CIMData PDM Buyer's Guide & VPSCii Guide
P1.3.7.2	Lock files	ACMS shall provide for files and information to be locked and prevent multiple users from attempting to modify the data simultaneously.	CIMData PDM Buyer's Guide & VPSCii Guide
P1.3.7.3	Copy checked-out files	ACMS shall allow users to view and modify a copy of the data which has been checked-out by another user. This would create a separate instance of the data.	BDM
P1.3.7.4	Simultaneous check-out	If ACMS allows data check out to multiple users simultaneously, then ACMS shall provide a mechanism for controlling and consolidating changes to data which is checked-out simultaneously to multiple users.	Metaphase
P1.3.7.5	View user of checked-out item	ACMS shall provide the ability to view which user has checked-out items from the vault.	BDM
P1.3.7.6	Hidden data location	ACMS shall allow the user to check-out data from the vault without knowing its specific location within the vault.	CIMData PDM Buyer's Guide & VPSCii Guide
P1.3.7.7	Check-in without modifications	Once data has been checked-out, ACMS shall allow the user to check-in data without saving any modifications.	ACMS CONOPS
P1.4	Metadata management		
P1.4.1	Metadata maintenance	ACMS shall provide for updating metadata so that the effects of changes, release levels, approval authorizations, and other data controls are implemented. (Examples of metadata include identification and location of data, keywords, ownership, approval authorizations, release levels, and data format.)	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P1.4.2	Metadata tracking	ACMS shall provide for examining metadata to determine its current status and to examine the history of changes to metadata elements.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P1.5	Data Locating		

Req No	Requirement Category	Requirement Description	Source Note
P1.5.1	Classification		
P1.5.1.1	Classification grouping	ACMS shall have the capability to create classification groupings that are defined by a minimum set of required attributes. Each class will have a different set of required attributes.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P1.5.1.2	Hierarchical Classification	ACMS shall provide the ability for classifications to be arranged hierarchically.	CIMData PDM Buyer's Guide & VPSCii Guide
P1.5.2	Search		
P1.5.2.1	Hierarchical search	ACMS shall provide the capability to search product structures hierarchically for product data.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P1.5.2.2	Searching values	ACMS shall provide the ability to search product data attributes for specific values, ranges of values, and logical combinations using Boolean operations.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P1.5.2.3	Search queries	ACMS shall allow for storing and retrieving queries and for creating ad-hoc queries.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P1.5.2.4	Query format	ACMS shall allow for fill-in-the-blank and command line queries.	BDM
P1.5.2.5	Retrieve search item	The ACMS shall provide the capability to retrieve items resulting from the search without additional navigation.	BDM
P1.5.3	Data links and relationships		
P1.5.3.1	Use of data links	ACMS shall provide for the establishment, navigation, and maintenance of links (relationships) between product data. The links associate product data to its data of origin, earlier versions or revisions, and approved changes.	CIMData PDM Buyer's Guide (modified)
P1.5.3.2	Creations of data link types	ACMS shall provide the capability to create, revise, update and delete new data link types which describe relationships between product data.	BDM
P1.5.3.3	Links between product structure and product data	ACMS shall provide for the establishment of links between product structure elements and product data.	CIMData PDM Buyer's Guide (modified)

Req No	Requirement Category	Requirement Description	Source Note
P1.5.3.4	Link rules	ACMS shall provide the capability to implement rules which govern the behavior of links (e.g. types of data which can be associated with a particular link type).	BDM
P1.5.3.5	Link version compatibility	The ACMS shall automatically track and maintain proper version compatibility for linked members of a data set.	VPSCii Guide & CIMData PDM Buyer's Guide (with extensions)
P1.5.4	Product configuration navigation	ACMS shall provide a means for viewing a product's configuration via the links established between product structure elements. This in turn is used to find a specific item within the product's configuration. In other words, navigation uses the links as a means to view a product configuration which in turn is used to find a specific item within the product's configuration.	VPSCii Guide & CIMData PDM Buyer's Guide (with extensions)
P1.6	Electronic approvals	ACMS shall provide for electronic indication of approval along with the name of the approver and a date and time stamp. This can be used for such processes as Engineering Change Proposal (ECP) approvals, access approvals, release approvals, indication of task completion.	VPSCii Guide
P1.7	Release management	ACMS shall provide for electronic indication of data versions and release status.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure
P1.8	File status history		
P1.8.1	Record history	ACMS shall provide for recording changes in file or information status. This is often accomplished via event logs.	VPSCii Guide (with extensions)
P1.8.2	View history changes	ACMS shall provide the ability to view records of file or information status changes.	VPSCii Guide (with extensions)
P2	**Workflow & process management**		
P2.1	Workflow administration		
P2.1.1	Pre-defined workflow definition	ACMS shall provide the ability to define and save pre-defined workflow templates that automate regular and repeatable processes.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.2	Ad hoc workflow definition	ACMS shall provide the ability to define ad hoc workflows that automate ad hoc processes.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)

Req No	Requirement Category	Requirement Description	Source Note
P2.1.3	Workflow steps	Both predefined and ad hoc workflows shall be capable of incorporating sequential, parallel, and conditional steps.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.4	Workflow rules	Both predefined and ad hoc workflows shall support specifying voting, routing, and time-out rules.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.5	Action trigger	Both predefined and ad hoc workflows shall support defining action triggers.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.6	Event notification	Both predefined and ad hoc workflows shall be capable of generating and disseminating event notifications.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.7	Workflow alteration	ACMS shall provide authorized users with the ability to alter pre-defined or ad hoc workflows as the need arises.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.8	Folder/package assembly & maintenance	ACMS shall provide the ability to identify and associate product data files or file representations with a workflow.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.9	Workflow information authorization restrictions and expansions	ACMS shall provide the capability for workflow owners/creators to restrict or expand information authorizations as part of the workflow.	BDM (vendor discussions)
P2.1.10	Types of workflow authorizations	ACMS shall permit workflow information authorization restrictions or expansions to be specified by role, user, group, or item status where item refers to the object about which information is being provided.	BDM (vendor discussions)
P2.1.11	Workflow tracking & monitoring	ACMS shall provide the ability to determine the progress of a workflow and to monitor the workload of resources associated with multiple workflows.	BDM (vendor discussions)
P2.1.12	Notification of late task	ACMS shall provide electronic notification of tasks that have not been completed prior to the due date. Notification will be to the user that initiated the workflow task.	BDM (vendor discussions)

Req No	Requirement Category	Requirement Description	Source Note
P2.1.13	Workflow history & audit	ACMS shall provide for capturing information on the performance of a workflow and to review the events and results associated with the workflow.	CIMData PDM Buyer's Guide & VPSCii Guide (with extensions)
P2.1.14	Work queues	ACMS shall allow the users to check work queues for any workflow assigned task.	ACMS CONOPS
P2.2	Workflow routing	ACMS shall provide to authorized users the ability to route files or file representations through a defined workflow.	VPSCii Guide
P2.3	Event triggers	ACMS shall provide for the initiation of a workflow step based upon the occurrence of a pre-defined event.	VPSCii Guide (with modifications)
P2.4	Workflow messaging & notification	ACMS shall provide for the distribution of folders or packages and the transmission of notifications.	CIMData PDM Buyer's Guide
P2.5	Electronic sign-off		
P2.5.1	Task or product electronic sign-off	ACMS shall provide for electronic indication of approval or authorization. This can be used to signify task completion or product sign-off.	VPSCii Guide
P2.5.2	Record votes	ACMS shall record votes from the appropriate users.	ACMS CONOPS
P2.5.3	Unauthorized or premature voting	ACMS shall provide the capability to protect against unauthorized or premature voting.	ACMS CONOPS
P3	**Product structure management**		
P3.1	Product structure creation & maintenance		
P3.1.1	New structure elements	ACMS shall provide for the creation and association of new structure elements such as assemblies, components, and parts for newly designed items.	CIMData PDM Buyer's Guide
P3.1.2	Hierarchical structure	Product structure representations within ACMS shall be hierarchical.	CIMData PDM Buyer's Guide
P3.1.3	Graphically displayed	ACMS shall graphically display product structures.	CIMData PDM Buyer's Guide
P3.1.4	Version establishment & maintenance	ACMS shall provide for the establishment, recording, and maintenance of the version for a given part, component, or assembly.	CIMData PDM Buyer's Guide (with modifications)
P3.1.5	Multiple versions	ACMS shall accommodate multiple versions of a part, component, or assembly.	CIMData PDM Buyer's Guide (with modifications)
P3.1.6	Effectivity specification & maintenance	ACMS shall provide the ability to specify and maintain information on when a part version is valid for use in assembling a particular version of a product.	CIMData PDM Buyer's Guide

Req No	Requirement Category	Requirement Description	Source Note
P3.1.7	Multiple effectivity schemes	ACMS shall support multiple effectivity schemes within a product structure to include specifying effectivity by serial number, production date, or lot.	CIMData PDM Buyer's Guide
P3.1.8	Substitute or option specification	ACMS shall provide the ability to identify part options (alternative or substitute parts) for a part, component, or assembly.	CIMData PDM Buyer's Guide
P3.1.9	Product structure element maintenance	ACMS shall allow adding or deleting specific parts or components in an assembly or product structure.	CIMData PDM Buyer's Guide
P3.1.10	Product structure version, effectivity, and option maintenance	ACMS shall provide the capability to revise product structures through the ability to add, delete, or otherwise modify part or assembly versions, effectivities or option indications (alternative or substitute parts).	CIMData PDM Buyer's Guide (with extensions)
P3.1.11	Aggregate changes of status	The ACMS shall provide the capability to change the release or baseline status of a group of product structure elements by changing the status of its parent.	BDM
P3.2	Product structure search & access		
P3.2.1	Product structure navigation	ACMS shall provide the ability to navigate through an on-screen graphical representation of the product structure or configuration in order to locate a specific item.	CIMData PDM Buyer's Guide
P3.2.2	Where-used locating	ACMS shall provide the ability to find where a part is used in this or other assemblies or products.	CIMData PDM Buyer's Guide
P3.2.3	Assembly parts locating	ACMS shall provide the ability to determine what other parts are used in a given assembly.	CIMData PDM Buyer's Guide
P3.3	Multiple product structure views		
P3.3.1	Multiple product structure views	ACMS shall provide the ability to develop, display, and print various views of a product structure. Example views include a designers view, a manufacturers view, and a program manager's view.	CIMData PDM Buyer's Guide (modified)
P3.3.2	Multiple product structure reports	ACMS shall provide the ability to print various product structure reports. Example reports include Assembly Parts List Report, Indented Bill of Material Report, Where-Used Parts List Report, Part Information Report, Part Revision History Report, Part Vendor Relationships Reports, and Part Family Relationships Report.	CIMData PDM Buyer's Guide (modified)
P3.4	Product structure authorizations	ACMS shall provide the ability to specify authorizations for accessing, creating, and modifying product structures.	CIMData PDM Buyer's Guide
P4	**Program management**		
P4.1	Work breakdown structure creation & maintenance	ACMS shall provide for the development and maintenance of a project work breakdown structure (WBS) and allow users to relate ACMS controlled items and product structures to the WBS tasks.	CIMData PDM Buyer's Guide

Req No	Requirement Category	Requirement Description	Source Note
P4.2	Schedule development & progress monitoring	ACMS shall provide the ability to establish schedules for WBS tasks and determine the status of tasks as well as the status of ACMS controlled items associated with the tasks.	CIMData PDM Buyer's Guide
P4.3	Resource assignment & tracking	ACMS shall provide the ability to assign resources to tasks and track the expenditure of those resources.	CIMData PDM Buyer's Guide
	Utility functions		
P5	**Communications & messaging**		
P5.1	General message exchange	The ACMS shall provide for the ad hoc exchange of information electronically. This can be accomplished either with an embedded e-mail capability or via an interface with the following e-mail systems: TBD.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (modified)
P5.2	Message routing	ACMS shall be able to route e-mail messages to multiple destinations.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure
P5.3	Automatic notification triggering	The ACMS shall provide the ability to automatically generate notification messages based upon event triggers.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure
P5.4	Message management	The ACMS shall provide the ability to manage messages by providing capabilities such as in-boxes, out-boxes, message prioritization, and message binning (folders), archiving, and deletion.	CIMData PDM Buyer's Guide & CIMData PDM Definition Brochure (with extensions)
P6	**Data exchange (transport & translation)**		
P6.1	Transport data		
P6.1.1	File copy or movement on request	The ACMS shall provide the ability to copy or move files from secure data storage to a user's application workspace in response to a user request.	CIMData PDM Buyer's Guide
P6.1.2	File copy or movement in response to an application	The ACMS shall provide the ability to copy or move files from secure data storage to a user's application workspace based upon a request from the following applications: TBD	CIMData PDM Buyer's Guide (modified)
P6.1.3	File copy or movement in response to an event trigger	The ACMS shall provide the ability to copy or move files from secure data storage to a user's application workspace in response to a pre-defined event trigger or workflow prompt.	CIMData PDM Buyer's Guide

Req No	Requirement Category	Requirement Description	Source Note
P6.1.4	File translation scheduling or initiation	The ACMS shall provide the ability to schedule and route files to appropriate file translators, apply default settings for translations, initiate the translation, and route the output file to the user.	CIMData PDM Buyer's Guide
P6.1.5	Electronic systems interfacing	The ACMS shall provide the ability to exchange data with the following existing repository, PDM, configuration management, and CITIS systems: TBD.	BDM
P6.1.6	Data transport transaction recording	The ACMS shall provide for recording information about the data transport transaction within ACMS. For example, ACMS should record the time, initiator, and recipient of the transaction.	CIMData PDM Buyer's Guide (modified)
P6.2	Translate data		
P6.2.1	Automatic translator application in response to triggers	The ACMS shall provide for automatic translation of files to pre-specified formats in response to event triggers or workflow prompts.	CIMData PDM Buyer's Guide
P6.2.2	Translator application in response to user requests	The ACMS shall provide for file translation to user specified formats in response to user requests.	CIMData PDM Buyer's Guide
P6.2.3	User modifiable default translation parameters	The ACMS shall provide default translation parameters (e.g., destination file location and name, data type, translation format, etc.) that may be modified by the user.	CIMData PDM Buyer's Guide (with modifications)
P6.2.4	Translator list & format mapping	The ACMS shall provide a list of translators accessible via ACMS and the formats it accepts and creates.	CIMData PDM Buyer's Guide (with modifications)
P7	**Imaging services**		
P7.1	Viewable image creation	ACMS shall support the creation and use of viewable images that employ one or more of the following viewing software: TBD.	BDM
P7.2	Additional viewer packages	The ACMS shall support the integration of additional viewer packages beyond those originally specified.	BDM
P7.3	Viewable image control	The ACMS shall provide the capability of placing the viewable images under ACMS control (see Data Vaulting).	CIMData PDM Buyer's Guide
P7.4	Viewable image red-line or mark-up & annotations	The ACMS shall provide the ability for multiple reviewers to red-line, mark-up, and provide annotations to viewable images.	CIMData PDM Buyer's Guide (with extensions)
P7.5	Distinct red-line	ACMS shall ensure that individual reviewer red-lines and annotations are kept distinct.	CIMData PDM Buyer's Guide (with extensions)

Req No	Requirement Category	Requirement Description	Source Note
P7.6	Red-lined, annotated, & edited image management	The ACMS shall provide the ability to place the red-lined, annotated, & edited viewable images under ACMS control (see Data Vaulting).	CIMData PDM Buyer's Guide & VPSCii Guide
P7.7	Print viewable images and redlines	ACMS shall allow the user to print viewable images and redlines.	ACMS CONOPS
P8	**System administration**		
P8.1	Metadata defaults	The ACMS shall provide the system administrator with the ability to establish and modify metadata defaults.	CIMData PDM Buyer's Guide
P8.2	User authorization management		
P8.2.1	Parameters for the access rule set	ACMS shall include the following access rule set parameters: information type, data release and baseline status levels, type of access, classification and sensitive data limitations, distribution limitations, maximum allowable number of unsuccessful or improper access attempts, and the authorized user's security clearance, organization, location, and ACMS access authorizations and profile.	Crusader Performance Spec (with modifications)
P8.2.2	Establish user information	The ACMS shall enable the system administrator to establish and modify read, write, copy, and modify permissions and rules for individual users, groups of users, or file types.	CIMData PDM Buyer's Guide (with modifications)
P8.2.3	Update/delete user information	ACMS shall enable the system administrator to update user information including permissions and rules and delete a user.	CMIS SRS
P8.2.4	Password entry	ACMS shall require the user to enter a password to access the system.	CMIS SRS
P8.2.5	Password modification	ACMS shall the capability for the user to change a his or her password.	CMIS SRS
P8.2.6	Assignment to roles	ACMS shall provide the capability to assign users to specific roles.	BDM
P8.2.7	Modify role assignment	ACMS shall provide the capability to modify role assignments.	BDM
P8.2.8	Create, modify, delete roles	ACMS shall provide the capability to create, modify, and delete roles.	BDM
P8.2.9	Restrict access by roles	ACMS shall provide the capability to restrict data access to users assigned specific roles.	BDM
P8.2.10	Assignment to groups	ACMS shall provide the capability to assign users to specific groups.	BDM
P8.2.11	Modify group assignments	ACMS shall provide the capability to modify group assignments.	BDM
P8.2.12	Create, modify delete groups	ACMS shall provide the capability to create, modify, and delete groups.	BDM
P8.2.13	Restrict access by groups	ACMS shall provide the capability to restrict data access to users assigned to specific groups.	BDM
P8.2.14	Restrict access by specific users	ACMS shall provide the capability to restrict data access privileges to specific users. Example of access privileges include: view, modify, delete, and create.	BDM
P8.3	Data distribution management	The ACMS shall enable the system administrator to maintain, coordinate, and synchronize a distributed data environment (multiple sites, multiple servers, multiple networks, multiple repositories, multiple PDM systems, etc.).	CIMData PDM Buyer's Guide (with modifications)

Req No	Requirement Category	Requirement Description	Source Note
P8.4	Archive, backup, & restore management		
P8.4.1	Create archive & back-up	The ACMS shall provide the system administrator the ability to establish and maintain archives and backups.	CIMData PDM Buyer's Guide & VPSCii Guide
P8.4.2	Restore system	ACMS shall provide the system administrator the ability to restore the system using backups.	BDM
P8.4.3	Request for archive	ACMS shall provide the user with the capability to request that data be placed in and retrieved from off-line archival storage.	Crusader Performance Spec
P8.5	External systems interface management	The ACMS shall provide the system administrator with the ability to establish interfaces with the following systems: TBD	BDM
P8.6	Administration interface layout tailoring	The ACMS shall provide the system administrator with the capability to customize the user interface.	CIMData PDM Definition Brochure
P8.7	System message & terminology tailoring	The ACMS shall provide the system administrator with the capability to customize the system messages and terminology.	CIMData PDM Definition Brochure
P8.8	Third-party applications integration		
P8.8.1	Application launching	The ACMS shall enable the system administrator to incorporate triggers that result in launching user applications based on events, user actions, or times.	CIMData PDM Definition Brochure (modified)
P8.8.2	ACMS system function invoking	The ACMS shall provide to the system administrator the capability to include procedure calls in user applications that invoke selected ACMS system functions from the user application without requiring the user to exit his or her application. This could be done using a published ACMS API.	BDM
P8.8.3	Metadata sharing	The ACMS shall provide to the system administrator the capabilities that permit sharing of ACMS controlled metadata with other systems.	CIMData PDM Definition Brochure (modified)
P8.9	New functionality		
P8.9.1	Adding new functionality	The ACMS shall provide to the system administrator the capability to add new functionality to ACMS including defining new metadata elements and associating them with objects and defining queries and reports.	BDM
P8.9.2	Create display forms	ACMS shall allow the system administrator to create display forms for ACMS users. Examples include ECP evaluation, data check-in, and data release display forms.	ACMS CONOPS
P8.10	System security & monitoring		
P8.10.1	Establish security controls	The ACMS shall provide capabilities that enable the system administrator to establish security controls and monitor the system for security violations.	BDM

PDM Filtering Requirements (Based on Common PDM System Characteristics)

Req No	Requirement Category	Requirement Description	Source Note
P8.10.2	Contamination control	ACMS shall provide controls to protect the system and data from contamination by unauthorized computer programs or data such as viruses.	Crusader Performance Spec
P8.10.3	File name encryption	ACMS shall encrypt the names of file with restricted access to preclude accessing these files directly through the operating system without using the ACMS interface	BDM
P8.10.4	Unauthorized access attempts	ACMS shall record unauthorized attempts to access ACMS data and shall deny ACMS use to users whose unauthorized attempts have reached the specified maximum threshold.	ACMS CONOPS
	User interface		
P9	**Ease of use**		
P9.1	Performing an operation	The ACMS user interface will be easy to use in terms of the number of steps required to perform an operation, the order of steps, and the amount of automatically transferred information.	CIMData PDM Buyer's Guide
P9.2	Learn and re-learn	The ACMS user interface will be easy to learn and re-learn.	CIMData PDM Buyer's Guide
P9.3	Customize/Tailor	The ACMS shall provide the ability to customize/tailor the user interface to meet user needs.	CIMData PDM Buyer's Guide
P10	**On-line support**		
P10.1	Help on context items	The ACMS user interface shall provide context sensitive, on-line help to users.	CIMData PDM Buyer's Guide
P10.2	Interactive help	ACMS user interface shall provide interactive help to users, via searching on key words.	CIMData PDM Buyer's Guide
P10.3	On-line documentation	The ACMS user interface shall provide users the ability to view system documentation on-line.	CIMData PDM Buyer's Guide
P11	**User interface styles**		
P11.1	Graphical user interface	The predominate ACMS user interface shall be a graphical point and click user interface based on GUI standards such as OSF/Motif or MS-Windows.	CIMData PDM Buyer's Guide (with modifications)
P11.2	Forms-based user interface	When it is necessary to enter or display numerous data elements on a single item or for a single transaction, the ACMS user interface shall provide a graphical forms-based interface in which defaults are provided that the user may override via pick lists or typed entries.	CIMData PDM Buyer's Guide (with modifications)
P11.3	Menu-driven user interface	When it is necessary for the user to select among hierarchical operations or options, the ACMS user interface shall provide a graphical hierarchical menu driven user interface.	CIMData PDM Buyer's Guide (with modifications)

Req No	Requirement Category	Requirement Description	Source Note
P11.4	Command-line user interface	In a few select instances in order to short-cut to an operation or option, the ACMS user interface shall provide for command-line instructions directly from the user.	CIMData PDM Buyer's Guide (with modifications)
P12	**Web-based Access**		
P12.1	Web-based login	Remote authorized users of data shall be able to login to the ACMS through a web-browser user interface.	BDM
P12.2	Search/browse for particular part, component, or product assembly	The browser interface shall enable the user to search/browse ACMS for a particular part, component, or product assembly.	BDM
P12.3	Web-based data retrieval	The browser interface shall enable the user to identify and retrieve (to include check-out) engineering data associated with an assembly, component, or part.	BDM
P12.4	Web-base imaging services	A user accessing ACMS from the web via a COTS browser shall be able to view and redline viewable images provided by ACMS.	BDM
P12.5	Web-based workflow	A user accessing ACMS from the web via a COTS browser shall be able to build ACMS workflows, monitor workflows, receive and perform tasks, receive data associated with tasks, and send and receive messages.	BDM

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0001	Configuration Item Identification	ACMS shall enable the user to assign a part/item identification number (PIN), referred to as a part number, to each CI and its subordinate parts and assemblies.		3.6.3.b-1
C0002	Configuration Item Identification	ACMS shall enable users to record the identify of selected configuration items at appropriate levels of the product structure in order to facilitate the documentation, control and support of the items and their documentation.		3.1-2
C0003	Part/Assembly/SW Identification	ACMS shall provide the capability to uniquely identify a part or item of material for which a unique part or other identifying number is inappropriate via a base identifier and a serial number, lot number, or date code.	4.4.2.2-1	
C0004	Part/Assembly/SW Identification	For each selected part, assembly, or material (including installed software) which is critical to the product safety, performance, or operation, ACMS shall have the capability to capture and maintain the part, assembly, or material item identity even if there is not a product tracking identifier.	4.4.2.3-1 & 4.4.2.3-3	
C0005	Part/Assembly/SW Identification	ACMS shall provide the capability to assign new part/material/software identifiers when a part, material, or software is changed.	4.4.2.1.1	
C0006	Part/Assembly/SW Identification	ACMS shall enable the user to assign serial and lot numbers to CIs and their components parts.		3.6.3-1 3.6.3-2
C0007	Part/Assembly/SW Identification	The system shall have the capability to record the unique identification of assemblies, materials, and software.	4.1-2	
C0008	Part/Assembly/SW Identification	ACMS shall provide the capability to record the unique identifier of commercial parts which do not have a part number.	4.2.2	
C0009	Part/Assembly/SW Identification	ACMS shall allow the user to identify each physical part or assembly with the part identification (design source and identifier) and a manufacturer.	4.2.2.2	
C0010	Part/Assembly/SW Identification	ACMS shall allow the user to identify each software item which is designed to be directly installed in hardware by its design source, a unique identifier or title assigned by that design source, a document type code, a documentation representation identifier, and a version identifier.	4.2.4-1	
C0011	Part/Assembly/SW Identification	ACMS shall allow the user to assign National Stock Numbers (NSN) for parts, assemblies, materials, and software as a secondary identifier..	4.2.8.1	
C0012	Part/Assembly/SW Identification	ACMS shall allow the user to record software identifiers that consists of a name or other identifier and a version identifier for each CSCI to relate the software to its associated configuration documentation, revision, and release date.		3.6.3.c-1
C0013	Part/Assembly/SW Identification	ACMS shall allow the user to identify each material by its design specification or standard (source, document identifier and document type) and an optional list of up to six parameters.	4.2.3.1	
C0014	Part/Assembly/SW Identification	ACMS shall allow the user to identify each batch of material, or the package or shipping document for each batch of material, by the material design identification and a manufacturer.	4.2.3.2-1	

Attachment C
CM Filtering Requirements (Based on MIL-HDBK-61 & MIL-STD-2549)

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0015	Part/Assembly/SW Identification	ACMS shall allow the user to identify each batch of material by the material design identification, manufacturer, and a unique product tracking identifier assigned if it is critical to item safety, performance, or operation, or necessary to comply with regulatory requirements.	4.2.3.2-2	
C0016	Part/Assembly/SW Identification	ACMS shall allow the user to assign a data item identifier consisting of the contract #, contract data requirements list (CDRL) sequence #, and submittal # if a document (or group of documents) is submitted as a contract required data item.	4.2.8.2-1	
C0017	Part/Assembly/SW Identification	ACMS shall allow the user to assign a block identifier to designate a quantity (a block) of consecutive production units of the CI which will have essentially the same configuration. on delivery or upon the completion of modification for hardware CIs.	4.2.8.3	
C0018	Part/Assembly/SW Identification	ACMS shall enable users to assign a unique identity to a product or to a component part of a product.		3.1.1
C0019	Document Identification	ACMS allow the user to assign and identify each document by a document source (e.g. CAGE code), a unique document identifier assigned by the document source, and a document type.	4.2.5	3.6.1-1
C0020	Document Identification	ACMS shall identify each document representation by the document source, unique identifier, and document type (the document identification) and a document representation identifier which is unique for the document.	4.2.6	
C0021	Configuration Item Identification & Document Identification	ACMS shall have the capability to assign secondary configuration identifiers to configuration items or documents.	4.2.8	
C0022	Configuration Item Description	ACMS will enable users to determine the types of configuration documentation required for each CI to define its performance, functional and physical attributes, including internal and external interfaces.		3.1-3 2.2.1.b-2
C0023	Document Identification & Product Data Identification	ACMS shall identify each electronic file which is part of a document by the combination of the name of the person and organization which created it, the name assigned to the file by the creator of the file, and the creation date of the file.	4.2.7	
C0024	Product Data Identification & Document Identification	ACMS shall enable users to modify product and document identification to reflect incorporation of major changes.		3.1.1
C0025	Configuration Item Information	ACMS shall have the capability to record the a configuration identifier name and assigned alphanumeric identifier for CIs.	4.2.1-2	3.1-5 5.2-1
C0026	Document/Data Information	The system shall have the capability to record the identify of the originating activity. The originating activity determines the content of and creates the initial issue of an item of engineering data.	4.4.1.1	
C0027	Configuration Item Structure	ACMS shall record and maintain the hierarchy of a system or CI when it is composed of lower level CIs.	4.2.1-3	
C0028	Configuration Item Structure	ACMS shall have the capability to record the top-down breakdown structure of configuration items which are critical to safety, performance, or operations.	4.3.2	

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0029	Product Structure	For each selected part, assembly, or material (including installed software) which is critical to the product safety, performance, or operation, ACMS shall have the capability to capture and maintain a the next higher level of assembly in which it is installed.	4.4.2.3-2	
C0030	Part/Assembly/SW Associations	ACMS shall allow the user to identify the design of each part or assembly by a design source and a unique identifier assigned by that design source.	4.2.2.1	
C0031	Part/Assembly/SW Associations	ACMS shall allow the user to record all replaceable components in the lowest level repairable assembly and enable reviewing of proposed changes to the design documentation for logistics impact.	4.3.3-1	
C0032	Document/Data Associations	ACMS shall allow the user to create and maintain relationships between digital data, data requirements and the related product configuration to ensure correct versions of an item are accessed or retrieved when needed.		7.2.3.-1
C0033	Document/Data Associations	ACMS shall have the capability to record the correlation between engineering data and the associated parts, assemblies, materials, or software.	4.1-3	
C0034	Document/Data Associations	ACMS shall enable users to correlate a product to related user or maintenance instructions.		3.1.1
C0035	Document/Data Associations	ACMS shall enable users to correlate individual product units to warranties and service life obligations.		3.1.1
C0036	Document/Data Associations	ACMS shall enable users to correlate the document revision level to product version/configuration.		3.1.1
C0037	Weapon System/End Item Associations	ACMS shall have the capability to record the assigned name of a weapon system or end-item to which a CI is associated.	4.2.1-1	
C0038	Configuration Baseline Control	ACMS shall provide the capability for users to record the identity of configuration documentation to establish baselines for Army and contractor configuration control.		2.2.1.b-3
C0039	Configuration Baseline Control	ACMS shall enable users to establish configuration baselines for the configuration control of CIs. These baselines include functional, allocated, and product baselines.		3.1-7
C0040	Configuration Baseline Control	ACMS shall be capable of recording which engineering data constitutes the functional, allocated, product, and development configuration baselines that are associated with specific program milestones.		3.5.1-1
C0041	Configuration Baseline Control	ACMS shall allow the user to record a change/update from the previous baseline to the current baseline.		3.5.1-4
C0042	Configuration Baseline Control	ACMS shall allow the user to record incremental configuration baselines sequentially over the life cycle of a CI as each new change is approved in the system.		3.5.1-3
C0043	Configuration Baseline Control	ACMS shall be able to record approved and actual structures of fielded units (assets).	4.1-4	
C0044	Release Control	ACMS shall enable users to maintain release control of documents for baseline management.		3.1-14

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0045	Release Control	ACMS shall allow an authorized user to release engineering configuration documentation to functional areas, integrated product teams or for technical reviews or progress reports.		3.7.1-1
C0046	Release Control	ACMS shall enable the user to assign a Release Status Level for each document or other type of engineering data, as a means of supporting the business rules defining access, change management, and archiving of digital data documents.		7.2.2-1
C0047	Release Control	ACMS shall enable users to release configuration documentation.		3.1-6
C0048	Version Control	The system shall allow the user to record, display, print, and maintain the trace of all changes from the original released configuration documentation of each system/CI(s).		5.2-6
C0049	Version Control	The system shall allow the user to record the digital data file(s) identifiers and data representations of all revisions/versions of each item of dates, component files and software which have been delivered, or made accessible electronically, in support of the contract.		5.2-8 3.6.1-4
C0050	Version Control	ACMS shall have the capability to assign revision identifiers when a document or group of documents is resubmitted.	4.2.8.2-2	3.6.1-2
C0051	Version Control	ACMS shall be capable of recording a specific version of a document or other type of engineering data, while maintaining all previous versions of the file(s).		3.6.1-5 7.2.4-1
C0052	Version Control	ACMS shall enable users to distinguish between product versions.		3.1.1
C0053	Data Acceptance	ACMS shall have the capability to document contract data item approval by recording the name of the data submittal approval authority, the approval/disapproval disposition decision, and the date of the decision.	4.4.1.6	
C0054	Data Acceptance	ACMS shall allow for any data entered into the system to be reviewed on-line and be commented on by the reviewer(s) prior to approval by the CDCA of the data.	4.6.1-1	
C0055	Data Acceptance	ACMS shall be capable of recording the name and organization of the reviewers of data.	4.6.1-2	
C0056	Data Acceptance	ACMS shall allow for any data item entered in the system to be commented on by the reviewer(s) prior to contractual acceptance of the data item.	4.6.2-2	
C0057	Product/Part Effectivity	ACMS shall enable the user to record the effectivity of a part expressed in terms of the range of serial numbers of the CI end item into which it is assembled.		3.6.3.d-1
C0058	Change Effectivity	The system shall allow the user to report the effectivity and installation status of configuration changes to all system/CI(s) at all locations, including design, production, modification, retrofit and maintenance changes.		5.2-7
C0059	Change Effectivity	ACMS shall allow the user to record the effectivity of change actions to identify the quantity or range of CIs which are to be changed.		4.1.1.4-1

Attachment C
CM Filtering Requirements (Based on MIL-HDBK-61 & MIL-STD-2549)

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0060	Product Data/Document Storage	ACMS shall be capable of storing many representations of engineering data, such as a word processor file, a CAD file, or a representation of the CAD file inserted in a document, in the system.		3.6.1-3
C0061	Product Data/Document Storage	ACMs shall be capable of providing a repository of engineering data.	4.1-5	
C0062	Product Structure & Product Structure Associations	ACMS shall enable users to record the structure (hierarchy) of a product, the organization, and the relationships of its configuration documentation and other product information.		3.1.1
C0063	Data/Document Retrieval	All configuration documentation for which a DoD organization is the Current Document Change Authority (CDCA) shall be accessible via ACMS.	4.3-1	
C0064	Data/Document Retrieval	All configuration documentation which is necessary for the DoD to perform maintenance/modification/disposal actions to fielded assets shall be accessible via the ACMS.	4.3-2	
C0065	Change Impacts	ACMS shall allow the user to record the identity of CI units impacted by a change action and the effectivity of the change action relative to each affected unit.		4.3.1.b-1
C0066	Change Associations	ACMS shall allow the user to annotate a change action being used to change the assets of a product after delivery if the asset is still being produced or the asset is no longer being produced but the Government is the CDCA for the design document of the assets.	4.4.2.4.1	
C0067	Change Associations	ACMS shall have the capability to record the old part/assembly/material/software identification, manufacturer, and product tracking identifier.	4.4.2.4-a	
C0068	Change Associations	ACMS shall have the capability to record the new part/assembly/material/software identification, manufacturer, and product tracking identifier.	4.4.2.4-b	
C0069	Change Associations	ACMS shall have the capability to record the old next higher assembly identification, manufacturer, and product tracking identifier.	4.4.2.4-c	
C0070	Change Associations	ACMS shall have the capability to record the new next higher assembly identification, manufacturer, and product tracking identifier.	4.4.2.4-d	
C0071	Change Associations	ACMS shall have the capability to record the identify of the tasking document for modifications, updates, and retrofits.	4.4.2.4-f	
C0072	Change Preparation & Distribution	ACMS shall allow the user to classify the change proposal as Class I or Class II.		3.7.1-2 4.1.1.2-1
C0073	Change Preparation & Distribution	ACMS shall record and display the identity of the originator of the change proposal.		4.2.1.2-1
C0074	Change Preparation & Distribution	ACMS shall allow the user to classify Request for Deviations as either minor, major, or critical.		4.3.1.a-1
C0075	Change Preparation & Distribution	ACMS shall assign a unique identifier for each change proposal.		4.1.2-1

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0076	Change Preparation & Distribution	ACMS shall enable the user to identify the correct order (hierarchy) in which approvals for a change action must be given.		4.2.1.4-1
C0077	Change Disposition & Status	For a proposed change, ACMS shall be capable of recording when, where, and by whom the data will be updated and the change incorporated in the product and all supporting elements.		4.1.1-2
C0078	Change Disposition & Status	ACMS shall allow the user to record Configuration Control Board (CCB) disposition of proposed changes and the date of the changes.	4.1-6	4.3.1.d-1
C0079	Change Disposition & Status	The system shall allow the user to record and report the status of proposed engineering changes from initiation to final approval to contractual implementation.		5.2-2
C0080	Change Disposition & Status	ACMS shall provide the capability to record approved change action requests to deployed hardware and software.	4.4.2.4.2-1	
C0081	Configuration Change Management	ACMS shall maintain statistics on the change proposal process with regards to length of time to process and other meaningful measurements that maintain and improve the process.		4.1.2-2
C0082	Configuration Change Management	ACMS shall generate performance measurements on CM activities, for the purpose of continuous improvement. Performance measurements will provide statistics, which will identify any backlogs, bottlenecks, and errors.		2.2.1.d-2
C0083	Change Control Authority	The system shall have the capability to record Current Data Change Authority (CDCA). The CDCA can baseline the data and unilaterally approve changes .	4.4.1.2	
C0084	Change Control Authority	The system shall have the capability to record the identity of the custodial activity. The custodial activity is responsible for storing the master or original copy of the data, and any subsequent approved revisions or versions of the data.	4.4.1.3	
C0085	Change Control Authority	The system shall have the capability to record the identity of the application activity. An application authority can provide approval to use an item of engineering data.	4.4.1.4	
C0086	Change Control Authority	The system shall have the capability to record the identity of the Government Lead Application Activity (GLAA). The GLAA is the government's lead authority when more than one exists for an item of engineering data.	4.4.1.5	
C0087	Change Control Authority	ACMS shall allow for recording the identity of multiple configuration control authorities for a product.		4.1.1.1.c-1
C0088	Change Control Authority	ACMS shall identify the appropriate data change authority for revising data that are affected by a change action.		4.2.1.4-2 Derived rqmt
C0089	Change Control Authority	ACMS shall enable users to determine the appropriate configuration control authority for each configuration document consistent with logistic support planning for the associated CI.		3.1-4 4.1.1.1.a-1

Attachment C
CM Filtering Requirements (Based on MIL-HDBK-61 & MIL-STD-2549)

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0090	CCB Support	ACMS shall allow the user to record the members of the Configuration Control Board by name and position.	4.4.2.1.2-2	4.1.1.3.b-1
C0091	CCB Support	For each change action reviewed by a CCB, ACMS shall provide the capability to record the date of the CCB, the CCB disposition of the change action , and a description of each action item resulting from the CCB decision.	4.4.2.1.2-3	
C0092	CCB Support	For each major & subsidiary action item in the CCB directive, ACMS shall provide the capability to record and maintain the status of the action item, including the organization responsible for accomplishment of the action item, its estimated completion date, & current status.	4.4.2.1.2-4	
C0093	Change Action Items and Status	ACMS shall be capable of recording the occurrence of each maintenance, modification, update, or retrofit action which involves the removal/replacement or re-identification of a part/assembly/material/software which is critical to safety, performance, or operation.	4.4.2.4-1	
C0094	Change Action Items and Status	ACMS shall have the capability to record the identification of the organization performing the task and when the task was performed.	4.4.2.4-e	
C0095	Configuration Audit Preparation	ACMS shall allow the user to record the schedule, agenda, facilities and the rules of conduct and identify the participants for the pre-audit.		6.2.2-1
C0096	Configuration Audit Performance & Results	ACMS shall be capable of recording the date of a Functional Configuration Audit (FCA) and a Physical Configuration Audit (PCA).	4.5.1-1	
C0097	Configuration Audit Performance & Results	ACMS shall provide the capability to record results of FCAs and PCAs in the form of a description of each problem and action item from the audit and the basis of the problem/action item (for example, contract, specification, etc.).	4.5.1-2	
C0098	Configuration Audit Performance & Results	ACMS shall allow the user to record the results of incremental audits conducted over a period of time so that the user can verify relevant elements.		6.2.2-2
C0099	Configuration Audit Performance & Results	The system shall allow the user to record whether any elements of the CI that were redesigned after the completion of the Functional Configuration Audit also meet the requirements of the CI's performance specification.		6.2.2.2-2
C0100	Configuration Audit Performance & Results	The system shall allow the user to designate and record the identify of the product baseline for a CI as part of the Physical Configuration Audit.		6.2.2.3-1
C0101	Configuration Audit Performance & Results	The system shall allow the user to record the results of the comparison of the product configuration documentation to the product's design during a Physical Configuration Audit.		6.2.2.3-2
C0102	Configuration Audit Performance & Results	The system shall enable the users to establish and maintain an audit trail of comments and annotations by each reviewer of a single item of engineering data.		7.2.4-2
C0103	Configuration Audit Action Items & Status	The system shall allow the user to record and report the status and final disposition of discrepancies and action items identified during configuration audits.		5.2-4

Attachment C
CM Filtering Requirements (Based on MIL-HDBK-61 & MIL-STD-2549)

Req No	Requirement Category	Requirement Description	STD-2549 Para	HDBK-61
C0104	Configuration Audit Action Items & Status	The system shall allow the user to record audit findings disposition.		6.3-1
C0105	Configuration Audit Action Items & Status	The system shall allow the user to record audit action assignments for resolution and suspense dates.		6.3-2
C0106	Configuration Audit Action Items & Status	The system shall provide the capability to record the status results of audit actions and change implementation actions, so that users can monitor the actions.	4.1-h	
C0107	History Retention	ACMS shall maintain a history of the changes to system/CI configuration information and asset configuration.	4.1-f	
C0108	History Retention	ACMS shall provide the capability to view the history of change proposals for a particular product/item, which shall include change description, rationale, and approval/disapproval indicator.		Derived rqmt
C0109	Security	ACMS shall enable the user to record whether the digital data files, the digital media, and the paper documents have security markings to limit the access of the information to those entitled to access it.		3.6.1-6
C0110	Security	ACMS shall enable the user to record the data rights for documents in order to specify the data rights limitations, so that proprietary information disclosed to the Army for specific purposes is protected.		3.6.1-7
C0111	Other Interface	ACMS shall maintain the information in a form which complies with Appendices B (Configuration. Status Accounting Relational Tables) and C (Configuration Status Accounting Data Element Definition) of MIL-STD-2549.	4.1-1	
C0112	Other Interface	ACMS shall accept CSA information that is compliant with the interface requirements of MIL-STD-2549.		2.2.1.d-4
C0113	Other Interface	ACMS shall accommodate all the data information packets referenced in MIL-STD-2549.	5.1	
C0114	Change Disposition & Status & Configuration Audit Action Items and Status	ACMS shall contain data on the status of any change, the history of the change, the schedules for audit, and the status of the audit.		2.2.1.d-1 6.1-3

Attachment D
ACMS Requirements Resulting from Data Call

Rqmt No	Requirement Category	Requirement Description
D0001	Client Workstation	ACMS shall be capable of providing client functionality and performance as described in this specification on the following platforms: • IBM compatible PCs running MS Windows 3.x, 95, and NT operating systems • Silicon Graphics workstations running UNIX • Sun workstations running Solaris • HP/Apollo workstations running HP-UX
D0002	Client Workstation	ACMS shall be capable of providing client functionality and performance as described in this specification on platforms with at least 100 MBytes of disk storage and at least 32 MBytes of RAM.
D0003	Client Workstation	ACMS shall be capable of providing client functionality and performance as described in this specification on platforms with processor speeds of at least 100 MHz.
D0004	Network	ACMS shall be capable of operating in a client-server Ethernet networked environment using TCP/IP.
D0005	Network	ACMS shall be capable of operating in a client-server Windows NT networked environment.
D0006	Network	ACMS shall be capable of supporting up to 10,000 users total and up to 2000 users simultaneously.
D0007	Server	ACMS server software shall be capable of operating on the following platforms: • Sun workstations running UNIX • Silicon Graphics workstations running UNIX • IBM Compatible Pentium PCs running Windows NT Server
D0008	Server	ACMS server software shall be capable of operating on platforms with disk storage of at least 35 GBytes, excluding data file storage requirements.
D0009	Server	ACMS server software shall be capable of operating on platforms with RAM of at least 2.1 GBytes.
D0010	Server	ACMS server software shall be capable of operating on platforms with aggregate processing speeds of at least 800 MHz.
D0011	Operator Skills	ACMS shall be capable of being operated by users who have basic PC skills, including familiarity with their target operating systems such as Windows or UNIX, and have attended ACMS training.

Attachment D
ACMS Requirements Resulting from Data Call

Rqmt No	Requirement Category	Requirement Description
D0012	Administration	ACMS shall be capable of being administered by users who have competency in their target operating systems and in database administration.
D0013	Administration	Training in basic use of ACMS shall require no more than one day. This training shall encompass all functionality available to a basic user.
D0014	Training	Training in administration of ACMS shall require no more than two days. This training shall encompass all functionality available to administrative users.
D0015	Help	ACMS shall include automated HELP mechanisms that are context-sensitive, indexed, and searchable.
D0016	Help	ACMS HELP shall include a Table of Contents and Examples and Demos.
D0017	Maintenance	ACMS shall require no more than 4 hours a week of scheduled administrative downtime for routine maintenance and backup activities.
D0018	Interfaces	ACMS shall be capable of interfacing with repositories running Oracle.
D0019	Interfaces	ACMS shall be capable of batch loading data from TD/CMS.
D0020	Interfaces	ACMS shall be capable of batch loading data from MEARS/ACCESS.
D0021	Interfaces	ACMS shall be capable of batch loading data from PC-JEDMICS.
D0022	Interfaces	Its is desired that ACMS integrate with the following applications: a) AutoCAD b) CADDS 5 c) EMS d) Pro/Engineer e) Interleaf

Attachment D
ACMS Requirements Resulting from Data Call

Rqmt No	Requirement Category	Requirement Description
D0023	Interfaces	Its is desired that ACMS interface with the following applications: a) AutoCAD b) CADDS 5 c) CADAM d) CATIA e) UG f) HPME30 g) Pro/Engineer h) I-DEAS i) CADENCE j) Interleaf k) MS Word l) WordPerfect m) Microstation n) Excel o) OrCad p) CAM 350 q) Anvil r) Mentor
D0024	Performance	ACMS shall demonstrate the following performance characteristics on locally stored data: 1. Product Structure Navigation-60 seconds 2. Retrieve/view simple docs-10 seconds 3. Retrieve/view raster dwgs-30 seconds 4. Retrieve/view engineering models-45 seconds 5. Change data object attributes-10 seconds 6. Refresh time-60 seconds

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0001	Configuration Item Identification	ACMS shall provide the capability to record, display, and maintain Configuration Items (CIs).	CI-001-1	3.2.1.1.1	Army, MC	T
J0002	Configuration Item Identification	ACMS shall provide the capability to record, display, and maintain the unique Design Part Number/Tabulation assigned to the product baseline for each CI.	CI-001-4	3.2.1.1.1	Army, MC, Navy	T
J0003	Part/Assembly/SW Identification	ACMS shall provide the capability to record, display, and maintain parts by their unique part number/CAGE combination and the part nomenclature.	CI-049-1	3.2.1.3.1	MSC	T
J0004	Part/Assembly/SW Identification	ACMS shall provide the capability to record, display, and maintain National Item Identification Numbers (NIINs) for a part number/CAGE combination.	CI-050-1	3.2.1.3.1.1	MSC	T
J0005	Part/Assembly/SW Identification	ACMS shall provide the capability to record, display, and maintain the association between a part and its National Item Identification Number (NIIN).	CI-068-1	3.2.1.3.3	MSC	T
J0006	Part/Assembly/SW Identification	ACMS shall display National Stock Numbers (NSNs) in table format which are associated with a selected part number.	CI-053-1	3.2.3.3.1.1	MSC	T
J0007	Part/Assembly/SW Identification	ACMS shall allow the user to choose and display the selected NSN.	CI-053-2	3.2.3.3.1.1	MSC	T
J0008	Weapon System/End-Item Identification	ACMS shall provide the capability to record, display, and maintain a weapon system identification number and nomenclature details.	CI-010-1	3.2.3.1.6	Army	T
J0009	CI Description	ACMS shall store, display, and maintain engineering and technical documentation which describes the characteristics of an individual CI.	CI-016-1	3.2.1.1.2.1	Army, MSC	T
J0010	Baseline Description	ACMS shall allow users to view the top-down engineering document breakdown of a CI baseline by effective date.	CI-080-1	3.2.1.1.11.4	Navy/Air Force Multiple Baseline Requirement	T
J0011	Baseline Description	ACMS shall display supporting documents/data and design part numbers for the controlling CI identifier and documentation within the baseline structure.	CI-080-2	3.2.1.1.11.4	Navy/Air Force Multiple Baseline Requirement	T
J0012	Document/Data Information	ACMS shall provide the capability to record, display, and maintain document/data information for individual document identifiers within ACMS.	CI-016-3	3.2.1.1.2.1	Army, MSC	T
J0013	Document/Data Information	ACMS shall provide the capability to record, identify, display, and maintain interim changes to a document/data item that has not been included in its current revision.	CI-017-1	3.2.1.1.2.10	Army	T
J0014	Document/Data Information	ACMS shall display the change code, change number and change date of the interim change.	CI-017-2	3.2.1.1.2.10	Army	T
J0015	Document/Data Information	ACMS shall display the change authority and change CAGE for each proposed document/data item change.	CI-017-3	3.2.1.1.2.10	Army	T

Attachment E
ACMS Requirements from CMIS 5.1 SRS

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0016	Document/Data Information	ACMS shall provide the capability to record, display, and maintain the ECP/RFD/RFW information associated with a specific document. Examples of this information include the following ECP/RFD/RFW number, ECP type, ECP revision, and ECP amendment details.	CI-020-1	3.2.1.1.2.14	Army, MC	T
J0017	Document/Data Information	ACMS shall provide the capability to record, display, and maintain the condition codes for a selected engineering document.	CSA-047-1	3.2.1.1.2.18	Army CCSS	T
J0018	Document/Data Information	ACMS shall allow the system administrator or a user granted with "HAZMAT user functional access" to update hazardous material information of a document.	CI-034-1	3.2.1.1.2.20	Army SPR	T
J0019	Document/Data Information	ACMS shall provide the capability to record, display, and maintain the HAZMAT code and category of the hazardous material.	CI-034-2	3.2.1.1.2.20	Army SPR	T
J0020	Document/Data Information	The system shall provide the capability to record, display, and maintain multiple sheet information against a reported document. (Note this function must be turned on by System Administrator. A flag is displayed when this function is activated.)	CI-025-1	3.2.1.1.2.3	Army, MC	T
J0021	Document/Data Information	ACMS shall provide the capability to record, display, and maintain the distribution statement text for any document which has a distribution code.	CI-030-1	3.2.1.1.2.4	Army SPR	T
J0022	Document/Data Information	ACMS shall provide the capability to record, display, and maintain HAZMAT information for a selected document.	CI-033-1	3.2.1.1.3	Army SPR	T
J0023	Document/Data Information	ACMS shall provide the capability to record, display, and maintain manufacturers/sources of supply and, optionally, the manufacturer's part number for a specific design part number.	CI-023-1	3.2.1.1.4.3	Army, MC	T
J0024	Baseline Information	ACMS shall provide the capability to record, display, and maintain the documents/data that defines/describes a functional, allocated, or product baseline of a specific CI.	CI-081-1	3.2.1.1.1.1	Navy/Air Force Multiple Baseline Requirement	T
J0025	Baseline Information	ACMS shall display ECPs associated to a configuration baseline.	CC-024-1	3.2.1.1.11.3	Army, MC	T
J0026	Baseline Information	ACMS shall provide the capability to record, display, select, and maintain configuration items and baseline dates.	CSA-081-1	3.2.3.1.3.11	telecon 11/13/97	T
J0027	Configuration Item Structure	ACMS shall allow the user to display the next higher or next lower level of configuration, and to continue this process to the top (or bottom) level of the hierarchical structure of the end item.	CI-038-2	3.2.1.1.11.2	Army, MC	T
J0028	Product Structure	ACMS shall provide the capability to record, display, and maintain design part number parent-to-child relationships for a CI.	CI-084-1	3.2.1.1.7	Engineering Bill of Material TIM	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0029	Product Structure	ACMS shall require that each control design part have at least one support design part.	CI-084-2	3.2.1.1.7	Engineering Bill of Material TIM	T
J0030	Product Structure	ACMS shall allow users to display support design parts for each control design part.	CI-084-3	3.2.1.1.7	Engineering Bill of Material TIM	T
J0031	Product Structure	ACMS shall allow users to walk-down through the design part number configuration parent-to-child relationships.	CI-084-4	3.2.1.1.7	Engineering Bill of Material TIM	T
J0032	Product Structure	ACMS shall provide the capability to record, display, and maintain a Bill Of Materials (BOM), based upon a parent/child relationship existing between part number/CAGE combinations.	CI-061-1	3.2.1.3.1.11.3	MSC, Army	T
J0033	Product Structure	ACMS shall provide the capability to record, display, and maintain design part number parent to child relationships.	CI-061-2	3.2.1.3.1.11.3	Army, MC	T
J0034	Product Structure	ACMS shall require that each control part have at least one support part.	CI-061-3	3.2.1.3.1.11.3	Army, MC	T
J0035	Product Structure	ACMS shall allow users to walk-down through part parent-to-child relationships.	CI-061-5	3.2.1.3.1.11.3	Army, MC	T
J0036	Product Structure	ACMS shall provide the capability to record, display, and maintain design part number child to parent relationships.	CI-067-1	3.2.1.3.2	Army, MC	T
J0037	Product Structure	ACMS shall allow the user to walk-up through the parent-to-child relationships.	CI-067-4	3.2.1.3.2	Army, MC	T
J0038	Document/Data Structure	ACMS shall provide the capability to display and copy the supporting documents (duplicate configuration record) from one control document to another control document.	CI-026-1	3.2.1.1.4.2	Army	T
J0039	Document/Data Structure	On selection of the control document with a document type of L, ACMS shall display control configuration documents which have the exact document type match.	CI-026-2	3.2.1.1.4.2	Army	T
J0040	Document/Data Structure	On selection of a control document identifier with a document type other than L, if no exact match is found, ACMS shall display control configuration documents that have a document type of D or S.	CI-026-3	3.2.1.1.4.2	Army	T
J0041	Document/Data Structure	ACMS shall provide the capability to record, display, and maintain document/data parent-to-child (controlling to supporting document) relationships.	CI-042-1	3.2.1.1.5	Army, MC	T
J0042	Document/Data Structure	ACMS shall require that each control document have at least one support document/data item.	CI-042-2	3.2.1.1.5	Army, MC	T
J0043	Document/Data Structure	ACMS shall allow users to identify many support documents/data for each control document/data item.	CI-042-3	3.2.1.1.5	Army, MC	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0044	Document/Data Structure	ACMS shall allow users to navigate through the document/data hierarchical structure.	CI-042-4	3.2.1.1.5	Army, MC	T
J0045	Document/Data Structure	ACMS shall provide the capability to record, display, and maintain supporting document information for example reference, suppression and criticality indicators, quantity, unit of issue, maintenance level, item alternatively and TDP reference indicator.	CI-042-6	3.2.1.1.5	Army, MC	T
J0046	Document/Data Structure	ACMS shall have the ability to display the complete configuration breakdown of an engineering document (????). The data is displayed in a hierarchical tree structure.	CI-044-1	3.2.1.1.6	Army, MC	T
J0047	Document/Data Structure	ACMS shall allow the user to expand or contract the document branch structure as desired.	CI-044-2	3.2.1.1.6	Army	T
J0048	Document/Data Structure	ACMS shall allow users to display many support documents for each control document.	CI-044-4	3.2.1.1.6	Army, MC	T
J0049	Document/Data Structure	ACMS shall display the supporting documentation hierarchical structure for the selected controlling document.	CI-044-5	3.2.1.1.6	Army, MC	T
J0050	Document/Data Structure	ACMS shall provide the ability to access control or support document information from the hierarchical document structure displayed.	CI-044-6	3.2.1.1.6	Army, MC	T
J0051	Document/Data Structure	ACMS shall provide the capability to record, display, and maintain document parent-to-child (controlling to supporting) relationships.	CI-045-1	3.2.1.1.8	Army, MC	T
J0052	Document/Data Structure	ACMS shall allow each support document to have many control documents.	CI-045-3	3.2.1.1.8	Army, MC	T
J0053	Document/Data Structure	ACMS shall allow users to walk-up through document parent-to-child relationships.	CI-045-4	3.2.1.1.8	Army, MC	T
J0054	Document/Data Structure	ACMS shall provide the capability to record, display, and maintain control document(s) for a specified document.	CSA-048-1	3.2.3.3.1.5	Army, MC	T
J0055	Document/Data Structure	ACMS shall allow users to walk-up through document parent-to-child relationships.	CSA-048-2	3.2.3.3.1.5	Army, MC	T
J0056	Configuration Item Associations	ACMS shall provide the capability to record, display, and maintain the identify of Hardware Configuration Items (HWCI) or Computer Software Configuration Items (CSCI) for a unique item of engineering data.	CI-001-2	3.2.1.1.1	telecon 11/13/97	T
J0057	Configuration Item Associations	ACMS shall provide the capability to record, display, and maintain the association between weapon system(s)/end-items and CIs.	CI-014-1	3.2.1.1.1.6	Army	T
J0058	Configuration Item Associations	ACMS shall provide the capability to record, display, and maintain a list of specifications and standards for a selected commodity category.	CSA-005-1	3.2.1.1.12	Army CCSS	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0059	Part/Assembly/SW Associations	ACMS shall provide the capability to record, display, and maintain document/data identification information for either a controlling or supporting part which is accessed from either a supporting or controlling part respectively.	CI-063-1	3.2.1.3.1.11.5	Army, MC	T
J0060	Part/Assembly/SW Associations	ACMS shall provide the capability to record, display, and maintain technical manual(s) identification details which reference a supporting part or sub-assembly of a controlling part.	CI-055-1	3.2.1.3.1.11.6	MSC	T
J0061	Part/Assembly/SW Associations	ACMS shall provide the user with the capability to record, select, view and maintain an image of the technical manual from an electronic drawing repository.	CI-066-2	3.2.1.3.1.7	Army, MC	T
J0062	Part/Assembly/SW Associations	ACMS shall display, for the selected item usage record, the associated replenishment source list of approved vendors for the queried part.	CSA-049-1	3.2.3.3.1.2	Army	T
J0063	Part/Assembly/SW Associations	ACMS shall have the capability to retain restricted source records after electing to update and transfer data to history or electing to transfer data to history.	CSA-049-2	3.2.3.3.1.2	Army	DFR
J0064	Part/Assembly/SW Associations	ACMS shall, for a selected part number, display the associated Restricted Source History information.	CSA-050-1	3.2.3.3.1.3	Army CCSS	T
J0065	Document/Data Associations	ACMS shall advise the user if the document/data has tabulations or replacement document(s)/data.	CI-016-5	3.2.1.1.2.1	Army, MSC	T
J0066	Document/Data Associations	ACMS shall provide the capability to record, display, and maintain each tabulated/design part with its parent document.	CI-028-1	3.2.1.1.2.11	Army, MC	T
J0067	Document/Data Associations	ACMS shall allow the user to copy supporting document(s) from another assembly to a selected tabulated/design part number.	CI-028-3	3.2.1.1.2.11	Army, MC	DFR
J0068	Document/Data Associations	ACMS shall provide the capability to record, display, and maintain technical manual identification information for a given engineering document.	CI-065-1	3.2.1.1.2.12	Navy	T
J0069	Document/Data Associations	ACMS shall provide the user with the ability to select and view a technical manual image from an electronic drawing repository.	CI-065-2	3.2.1.1.2.12	Army, MC	T
J0070	Document/Data Associations	ACMS shall provide the capability to record, display, and maintain GFE documents which relate to a controlling document.	CI-021-1	3.2.1.1.2.16	Army	T
J0071	Document/Data Associations	ACMS shall display documents which are associated to a basic document or tabulated/design part number.	CI-137-1	3.2.1.1.2.8	Army	T
J0072	Document/Data Associations	ACMS shall provide the capability to record, display, and maintain the replacement document(s) information for a reported document.	CI-024-1	3.2.1.1.2.9	Army, MC	T
J0073	Document/Data Associations	ACMS shall provide the capability to record, display, and maintain each tabulated/design part to its parent document.	CI-035-1	3.2.1.1.4	Army, MC	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0074	Document/Data Associations	ACMS shall display end-item applications or major configuration items for selected documents.	CI-002-1	3.2.1.1.8.1	Army	T
J0075	Configuration Baseline Control	ACMS shall provide the capability to freeze baselines, display frozen baselines, and record and display the date of baseline creation for a CI by baseline type (for example, functional, allocated or product baselines).	CI-083-1	3.2.1.1.1.2	Date Effectivity TIM, Navy	T
J0076	Configuration Baseline Control	ACMS shall display a listing of baselines to compare for a selected CI.	CI-039-1	3.2.1.1.11.1	Army, MC	T
J0077	Configuration Baseline Control	ACMS shall allow users to select any two identified baselines with the same document/data ID to compare.	CI-039-2	3.2.1.1.11.1	Army, MC	T
J0078	Configuration Baseline Control	ACMS shall have the capability to display and compare any two document/data baselines by highlighting differences. Baseline differences can be visibly displayed by highlighting differences between any two baselines.	CI-038-1	3.2.1.1.11.2	Army, MC	T
J0079	Configuration Baseline Control	ACMS shall provide the capability to record, display, and maintain configuration baselines for a specific weapon system/end item.	CSA-085-1	3.2.3.1.3.10	telecon 11/13/97	T
J0080	Configuration Baseline Control	ACMS shall allow users to view a frozen serialized configuration for a specific baseline.	CSA-100-1	3.2.3.1.4.1	telecon 11/13/97	T
J0081	Data Acceptance	ACMS shall, on performing a version or revision update to an item of engineering data, create a complete new representation of the data with its own version or revision number.	CI-032-2	3.2.1.1.2.6	telecon 11/13/97	T
J0082	Data Acceptance	ACMS shall provide the capability to record, display, and maintain the status and receiving date of an item of engineering data received for review and approval.	CC-107-1	3.2.2.12	telecon 11/13/97	T
J0083	Data Acceptance	ACMS shall provide the capability to record, display, and maintain the line item number for a contract number associated with the receipt of an item of engineering data.	CC-115-1	3.2.2.12.3	telecon 11/13/97	T
J0084	Data Acceptance	ACMS shall provide the capability to record, display, and maintain the name of the individual(s) responsible for the review and validation of an item of engineering data.	CC-110-1	3.2.2.12.4	telecon 11/13/97	T
J0085	Data Acceptance	ACMS shall provide the capability to record, display, and maintain current milestones for the review of an item of engineering data.	CC-111-1	3.2.2.12.5	telecon 11/13/97	T
J0086	Baseline Effectivity	ACMS shall display baseline information by the type of baseline (for example, functional, allocated or product), based on an effective date that the baseline was set for a specific CI and document identifier.	CI-079-1	3.2.1.1.11	Navy/Air Force Multiple Baseline Requirement	T
J0087	Change Effectivity	ACMS shall provide the capability to record, display, and maintain production effectivity for an ECP.	CC-014-1	3.2.2.1.13	Army, MC	T

Attachment E
ACMS Requirements from CMIS 5.1 SRS

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0088	Change Effectivity	ACMS shall preclude user addition, deletion, or update of production effectivity for approved, rejected, or superseded ECPs.	CC-014-3	3.2.2.1.13	Army, MC	T
J0089	Change Effectivity	ACMS shall provide the capability to record, display, and maintain retrofit effectivity associated with an ECP.	CC-015-1	3.2.2.1.14	Army, MC	T
J0090	Change Effectivity	ACMS shall preclude user addition, deletion, or update of retrofit effectivity for approved, rejected, or superseded ECPs.	CC-015-3	3.2.2.1.14	Army, MC	T
J0091	Change Effectivity	ACMS shall provide the capability to record, display, and maintain location or serial number effectivity of assets impacted by an ECP.	CC-018-1	3.2.2.1.15	Army, MC	T
J0092	Change Effectivity	ACMS shall preclude user addition, deletion, or update of location or serial number effectivity for an rejected, or superseded ECP.	CC-018-3	3.2.2.1.15	Army, MC	T
J0093	Change Effectivity	ACMS shall provide the capability to record, display, and maintain production effectivity for an RFD/RFW.	CC-043-1	3.2.2.2.8	Army, MC	T
J0094	Change Effectivity	ACMS shall preclude user addition, deletion, or update of production effectivity for an approved, rejected, or superseded RFD/RFW.	CC-043-3	3.2.2.2.8	Army, MC	T
J0095	Change Impacts	ACMS shall provide the capability to record, display, and maintain parts associated with an ECP.	CC-009-1	3.2.2.1.10	Army, MC	T
J0096	Change Impacts	ACMS shall preclude user addition, deletion, or update of parts for an approved, rejected, or superseded ECP.	CC-009-3	3.2.2.1.10	Army, MC	T
J0097	Change Impacts	ACMS shall provide the capability to record, display, and maintain type/model/series impacted by an ECP.	CC-016-1	3.2.2.1.16	Navy	T
J0098	Change Impacts	ACMS shall preclude user addition, deletion, or update of type/model/series of an approved, rejected, or superseded ECP.	CC-016-3	3.2.2.1.16	Navy	T
J0099	Change Impacts	ACMS shall provide the capability to record, display, and maintain the cost of an ECP.	CC-019-1	3.2.2.1.18	Army, MC	T
J0100	Change Impacts	ACMS shall preclude user addition, deletion, or update of the cost of an approved, rejected, or superseded ECP.	CC-019-3	3.2.2.1.18	Army, MC	T
J0101	Change Impacts	ACMS shall provide the capability to record, display, and maintain a list of documents/data associated with an Engineering Change Proposal (ECP).	CC-003-1	3.2.2.1.2	Army, MC	T
J0102	Change Impacts	ACMS shall preclude user addition or deletion of documents/data associated with an approved, rejected ECP, or superseded ECP.	CC-003-3	3.2.2.1.2	Army, MC	T
J0103	Change Impacts	ACMS shall provide the capability to record, display, and maintain ECP order of accomplishment for an ECP.	CC-020-1	3.2.2.1.22	Army, MC	T

Attachment E
ACMS Requirements from CMIS 5.1 SRS

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0104	Change Impacts	ACMS shall preclude user addition, deletion, or update of ECP order of accomplishment for an approved, rejected, or superseded ECP.	CC-020-3	3.2.2.1.22	Army, MC	T
J0105	Change Impacts	ACMS shall provide the capability to record, select, display, and maintain ECP/RFD/RFWs associated with a procurement activity.	CC-033-1	3.2.2.1.23	Army, MC	T
J0106	Change Impacts	ACMS shall provide the capability to record, display, and maintain standard Integrated Logistics Support (ILS) impact factors (see LDM) for an ECP.	CC-022-1	3.2.2.1.24	Army, MC	T
J0107	Change Impacts	ACMS shall preclude user addition, deletion, or update of standard ILS impact factors (see LDM) for an approved, rejected, or superseded ECP.	CC-022-3	3.2.2.1.24	Army, MC	T
J0108	Change Impacts	ACMS shall provide the capability to record, display, and maintain supporting documents/data of a control document associated with an ECP.	CC-004-1	3.2.2.1.4	Army, MC	T
J0109	Change Impacts	ACMS shall preclude user addition or deletion of supporting documents of a control document/data for an approved, rejected, or superseded ECP.	CC-004-3	3.2.2.1.4	Army, MC	T
J0110	Change Impacts	ACMS shall provide the capability to record, display, and maintain control documents/data associated with an ECP.	CC-005-1	3.2.2.1.5	Army, MC	T
J0111	Change Impacts	ACMS shall preclude user addition or deletion of control documents/data for an approved, rejected, or superseded ECP.	CC-005-4	3.2.2.1.5	Army, MC	T
J0112	Change Impacts	ACMS shall provide the capability to record, select, display, and maintain weapon system code(s) for an ECP.	CC-006-1	3.2.2.1.6	Army	T
J0113	Change Impacts	ACMS shall preclude user addition, deletion, or update of weapon system code(s) for a approved, rejected, or superseded ECP.	CC-006-5	3.2.2.1.6	Army	T
J0114	Change Impacts	ACMS shall provide the capability to record, display, and maintain contract(s) associated with an ECP.	CC-007-1	3.2.2.1.7	Army, MC	T
J0115	Change Impacts	ACMS shall preclude user addition, deletion, or update of contract(s) for an approved, rejected, or superseded ECP.	CC-007-3	3.2.2.1.7	Army, MC	T
J0116	Change Impacts	ACMS shall provide the capability to record, display, and maintain contract line items for a contract associated with an ECP.	CC-008-1	3.2.2.1.8	Army, MC	T
J0117	Change Impacts	ACMS shall preclude user addition or deletion of contract line items for an approved, rejected, or superseded ECP.	CC-008-3	3.2.2.1.8	Army, MC	T
J0118	Change Impacts	ACMS shall display ECPs based on user query by contract number, weapon system, part number, or configuration item.	CC-104-1	3.2.2.10	Army	T
J0119	Change Impacts	ACMS shall provide the capability to record, display, and maintain RFD/RFWs referenced by RFD/RFW number or PAN.	CC-037-1	3.2.2.2.1	Army, MC	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0120	Change Impacts	ACMS shall preclude user deletion or update of RFD/RFW that is approved, rejected, or superseded.	CC-037-3	3.2.2.2.1	Army, MC	T
J0121	Change Impacts	ACMS shall provide the capability to record, display, and maintain Configuration Items impacted by an ECP/RFD/RFW.	CC-002-1	3.2.2.2.2	Army, MC	T
J0122	Change Impacts	ACMS shall provide the capability to record, display, and maintain weapons systems code(s) for an RFD/RFW.	CC-039-1	3.2.2.2.4	Army	T
J0123	Change Impacts	ACMS shall preclude user addition, deletion, or update of weapon system code(s) for an approved, rejected or superseded RFD/RFW.	CC-039-5	3.2.2.2.4	Army	T
J0124	Change Impacts	ACMS shall provide the capability to record, display, and maintain contracts impacted by an RFD/RFW.	CC-040-1	3.2.2.2.5	Army, MC	T
J0125	Change Impacts	ACMS shall preclude user addition, deletion, or update of contracts for an RFD/RFW that has been approved, rejected, or superseded.	CC-040-3	3.2.2.2.5	Army, MC	T
J0126	Change Impacts	ACMS shall provide the capability to record, display, and maintain parts associated with an RFD/RFW.	CC-041-1	3.2.2.2.6	Army, MC	T
J0127	Change Impacts	ACMS shall preclude user addition, deletion, or update of parts for an approved, rejected, or superseded RFD/RFW.	CC-041-3	3.2.2.2.6	Army, MC	T
J0128	Change Impacts	ACMS shall provide the capability to record, display, and maintain the cost of an RFD/RFW.	CC-042-1	3.2.2.2.7	Army, MC	T
J0129	Change Impacts	ACMS shall preclude user addition, deletion, or update of the cost of an approved, rejected, or superseded RFD/RFW.	CC-042-3	3.2.2.2.7	Army, MC	T
J0130	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain revisions and/or amendments to an ECP/RFD/RFW.	CC-032-1	3.2.2.1.1	Army, MC	T
J0131	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain identifiers and descriptions of attachment pages of an ECP available for user viewing.	CC-010-1	3.2.2.1.11	Army, MC	T
J0132	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall preclude user addition, deletion, or update of identifiers and descriptions of attachment pages for an approved, rejected, or superseded ECP.	CC-010-3	3.2.2.1.11	Army, MC	T
J0133	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain ECPs identified with a Value Engineering Change Proposal (VECP) justification code.	CC-011-1	3.2.2.1.12	Army	T
J0134	Change Associations (Wpn Sys, Parts,	ACMS shall preclude user update of VECP justification code for an approved, rejected, or superseded ECP.	CC-011-3	3.2.2.1.12	Army	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
	Docs, CIs, Contracts)					
J0135	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain modification kit target or actual delivery data associated with an ECP.	CC-017-1	3.2.2.1.17	Army, MC	T
J0136	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall preclude user addition, deletion, or update of modification kit delivery data for an approved, rejected, or superseded ECP.	CC-017-3	3.2.2.1.17	Army, MC	T
J0137	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain the fiscal year and method(s) of funding for an ECP.	CC-030-1	3.2.2.1.19	telecon 11/13/97	T
J0138	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, select, display, and maintain ECPs related to a change request/directive.	CC-021-1	3.2.2.1.3	Navy MODMSS/TIM	T
J0139	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain the association of RFD/RFWs related to an ECP.	CC-029-1	3.2.2.1.30	telecon 11/13/97	T
J0140	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain personnel responsible (see LDM) for an ECP/RFD/RFW.	CC-026-1	3.2.2.1.31	Army, MC	T
J0141	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall preclude user addition, deletion, or update of responsible personnel for an approved, rejected, or superseded ECP/RFD/RFW.	CC-026-3	3.2.2.1.31	Army, MC	T
J0142	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain a list of outstanding ECP/RFD/RFWs which relate to an item of engineering received for review and approval.	CC-105-1	3.2.2.11	telecon 11/13/97	T
J0143	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to display ECPs resulting from an RFD/RFW.	CC-116-1	3.2.2.13	telecon 11/13/97	T
J0144	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain RFD/RFWs applicable to a given platform and procurement activity.	CC-089-1	3.2.2.2.12	telecon 11/13/97	T
J0145	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain documents/data associated with an Request for Deviation/Request for Waiver (RFD/RFW).	CC-038-1	3.2.2.2.3	Army, MC	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0146	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall preclude user addition, deletion, or update of documents/data for an approved, rejected, or superseded Request for Deviation/Request for Waiver (RFD/RFW).	CC-038-3	3.2.2.2.3	Army, MC	T
J0147	Change Associations (Wpn Sys, Parts, Docs, CIs, Contracts)	ACMS shall provide the capability to record, display, and maintain the associated ECPs for a particular weapon system.	CSA-015-1	3.2.3.1.2.4	telecon 11/13/97	T
J0148	Configuration Change Management	ACMS shall provide the capability to record, display, and maintain milestones for an ECP/RFD/RFW.	CC-012-1	3.2.2.2.9	Army, MC	T
J0149	Configuration Change Management	ACMS shall preclude user addition, deletion, or update of milestones for approved, superseded, or rejected ECP/RFD/RFWs.	CC-012-4	3.2.2.2.9	Army, MC	T
J0150	Configuration Change Management	ACMS shall support the following ECP/RFD/RFW query result display options: complete list, list of highest revisions/amendments, complete counts, and counts of highest revisions/amendments.	CC-044-1	3.2.2.3	Army	T
J0151	Configuration Change Management	ACMS shall support user ECP/RFD/RFW query on any of the following fields: contract number, weapon system, part number, or configuration item identification.	CC-044-2	3.2.2.3	Army	T
J0152	Configuration Change Management	ACMS shall provide user option to print ECP/RFD/RFW query results.	CC-044-4	3.2.2.3	Army	T
J0153	CCB Support	ACMS shall provide the capability to record, display, and maintain the CCB record. <What is the CCB record?>	CC-063-1	3.2.2.5	Navy MODMIS/TIM	T
J0154	CCB Support	ACMS shall support user linking or unlinking of ECPs to an CCB record.	CC-063-3	3.2.2.5	Navy MODMIS/TIM	T
J0155	CCB Support	ACMS shall provide the capability to record, display, and maintain CCB Request/Directive information based on CCB number.	CC-073-1	3.2.2.5.2	Navy MODMIS/TIM	T
J0156	CCB Support	ACMS shall provide the capability to record, display, delete, or update a CCB member's vote on a CCB action.	CC-070-1	3.2.2.5.3	Navy MODMIS/TIM	T
J0157	CCB Support	ACMS shall provide the capability to record, display, and maintain the association of a CCB action to an ECP.	CC-072-1	3.2.2.6	Navy MODMIS/TIM	T
J0158	CCB Support	ACMS shall have the capability to update the revision and status of a CCB number by automatically displaying the next incremented revision number and the current status. <What is the CCB number?>	CC-064-1	3.2.2.6.1	Navy MODMIS/TIM	T
J0159	CCB Support	ACMS shall support user update of CCB status. <What is the CCB status? Status of what?>	CC-064-2	3.2.2.6.1	Navy MODMIS/TIM	T
J0160	CCB Support	ACMS shall allow the user to select a fiscal year in which to display CCB milestones.	CSA-082-1	3.2.2.6.10	Navy MODMIS	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0161	CCB Support	ACMS shall allow the user to select a CCB milestone for a given CCB Request Directive.	CSA-083-1	3.2.2.6.11	Navy MODMIS	T
J0162	CCB Support	ACMS shall provide the capability to record, display, and maintain CCB Milestone funding deliverable information (see LDM).	CC-062-1	3.2.2.6.12	Navy MODMIS/TIM	T
J0163	CCB Support	ACMS shall provide the capability to record, display, and maintain milestones associated to a CCB action.	CC-083-1	3.2.2.6.14	Navy MODMIS/TIM	T
J0164	CCB Support	ACMS shall provide the capability to record, display, and maintain milestones associated with a CCB action with a fiscal year.	CC-065-1	3.2.2.6.15	Navy MODMIS/TIM	T
J0165	CCB Support	ACMS shall provide the capability to record, display, and maintain milestone activities associated with a CCB action.	CC-075-1	3.2.2.6.16	Navy MODMIS/TIM	T
J0166	CCB Support	ACMS shall provide the capability to record, display, and maintain funding data within a fiscal year for milestone activities associated with a CCB action.	CC-076-1	3.2.2.6.17	Navy MODMIS/TIM	T
J0167	CCB Support	ACMS shall provide the capability to record, display, and maintain CCB sub-milestones and associated cost/funding actions.	CC-074-1	3.2.2.6.18	Navy MODMIS/TIM	T
J0168	CCB Support	ACMS shall provide the capability to record, display, and maintain CCB sub-milestone(s) associated with an MI.	CC-074-3	3.2.2.6.18	Navy MODMIS/TIM	T
J0169	CCB Support	ACMS shall allow the user to select a revision date to display the revision notes, where a CCB milestone date has been revised more than once.	CSA-084-1	3.2.2.6.19	Navy MODMIS	T
J0170	CCB Support	ACMS shall provide the capability to link/unlink an ECP to a CCB number through a Document Control Number or other data identifier.	CC-082-1	3.2.2.6.2	Navy MODMIS/TIM	T
J0171	CCB Support	ACMS shall support user selection of Document Control Numbers to link an ECP to a CCB number.	CC-082-2	3.2.2.6.2	Navy MODMIS/TIM	T
J0172	CCB Support	ACMS shall provide the capability to record, display, and maintain Government Furnished Equipment (GFE) data for milestone activities associated with a CCB action.	CC-077-1	3.2.2.6.20	Navy MODMIS/TIM	T
J0173	CCB Support	ACMS shall provide the capability to record, display, and maintain Engineering Change Proposal (ECP) data (see LDM) referenced by ECP number or Procuring Activity Number.	CC-025-1	3.2.2.6.4	Army, MC	T
J0174	CCB Support	ACMS shall preclude user deletion or update of an ECP that is approved, rejected, or superseded.	CC-025-3	3.2.2.6.4	Army, MC	T
J0175	CCB Support	ACMS shall display the Document Control Number (DCN) or other data identifier associated to an ECP in support of revision or amendment to an ECP.	CC-087-1	3.2.2.6.5	Navy MODMIS/TIM	T
J0176	CCB Support	ACMS shall support user update of a DCN or other data identifier when a revision or update of a ECP is initiated.	CC-087-2	3.2.2.6.5	Navy MODMIS/TIM	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0177	CCB Support	ACMS shall require modification of both the CCB and ECP information when updating the DCN or other data identifier.	CC-087-3	3.2.2.6.5	Navy MODMIS/TIM	T
J0178	CCB Support	ACMS shall provide the capability to record, display, and maintain votes of CCB members for an ECP.	CC-079-1	3.2.2.6.6	Navy MODMIS/TIM	T
J0179	CCB Support	ACMS shall provide the capability to record, display, and maintain milestone information associated with a CCB action.	CC-066-1	3.2.2.6.8	Navy MODMIS/TIM	T
J0180	CCB Support	ACMS shall provide the capability to record, display, and maintain CCB milestone implementing instructions for an ECP.	CC-113-1	3.2.2.7	Navy	T
J0181	Change Action Items & Status	ACMS shall provide the capability to identify and track CCB actions to include but not limited to implementation instructions, safety requirements, technical manual update instructions, provisioning instructions, and funding actions.	CC-080-1	3.2.2.1.26	telecon 11/13/97	T
J0182	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain the contents of a modification kit.	CC-092-1	3.2.1.3.4.3	telecon 11/13/97	T
J0183	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain the association of a modification kit to a specific weapon system/end item.	CC-093-1	3.2.1.3.4.5	telecon 11/13/97	T
J0184	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain a modification instruction (MI) independent of its association with an ECP.	CC-045-1	3.2.2.8	telecon 11/13/97	T
J0185	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain which modification kits correspond to a modification instruction.	CC-050-1	3.2.2.8.1	telecon 11/13/97	T
J0186	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain weapon system/end item effectivity of a modification instruction for a specific type/model/series.	CC-049-1	3.2.2.8.2	telecon 11/13/97	T
J0187	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain identification of which weapon systems/end items are impacted by a modification instruction.	CC-052-1	3.2.2.8.3	telecon 11/13/97	T
J0188	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain accomplishment status by incorporating activities of a modification instruction.	CC-046-1	3.2.2.8.5	telecon 11/13/97	T
J0189	Modification Kit Support	ACMS shall provide the capability to record, display, and maintain which modification instructions are applicable to a weapon system/end item.	CC-057-1	3.2.3.1.3.15	telecon 11/13/97	T
J0190	History Retention	ACMS shall display ECP configuration change history for a selected CI.	CI-040-1	3.2.1.1.2.15	Army, MC	T
J0191	History Retention	ACMS shall maintain a history of deleted records. (Note this function must be turned on by System Administrator. A flag is displayed when this function is activated.)	CI-018-2	3.2.1.1.2.21	Army	T
J0192	History Retention	ACMS shall provide the ability to display the historical baseline(s) of a configuration item and its associated CI documentation identifier including its next higher CI	CI-003-1	3.2.1.1.2.7	Army	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
		documentation details.				
J0193	Reports	ACMS shall provide the capability to create, display, and delete or update requests for reports.	CSA-006-1	3.2.1.1.15	Army CCSS	T
J0194	Reports	ACMS shall provide the user with a Parts List report - (A4).	RPT-001-1	3.2.1.1.15.1	Army	T
J0195	Reports	ACMS shall provide the user with the Packaging Section only of the Engineering Data List (EDL) report - (EP).	RPT-001-10	3.2.1.1.15.1	Army/Marine Corps.	T
J0196	Reports	ACMS shall provide the user with the Engineering Data List with the Review Date only of the Engineering Data List (EDL) report - (ER).	RPT-001-11	3.2.1.1.15.1	Army/Marine Corps.	T
J0197	Reports	ACMS shall provide the user with the Technical Data Package List only report - (T1).	RPT-001-13	3.2.1.1.15.1	Army, MC	T
J0198	Reports	ACMS shall provide the user with the Product Section only of the Technical Data Package List report - (T2).	RPT-001-14	3.2.1.1.15.1	Army/Marine Corps.	T
J0199	Reports	ACMS shall provide the user with the Inspection Section only of the Technical Data Package List report - (T3).	RPT-001-15	3.2.1.1.15.1	Army/Marine Corps.	T
J0200	Reports	ACMS shall provide the user with the Specifications/Standards Section only of the Technical Data Package List report - (T4).	RPT-001-16	3.2.1.1.15.1	Army/Marine Corps.	T
J0201	Reports	ACMS shall provide the user with the First Level Section only of the Technical Data Package List report - (T6).	RPT-001-17	3.2.1.1.15.1	Army/Marine Corps.	T
J0202	Reports	ACMS shall provide the user with the First Level Inspection Data Section only of the Technical Data Package List report - (T7).	RPT-001-18	3.2.1.1.15.1	Army/Marine Corps.	T
J0203	Reports	ACMS shall provide the user with the Document Suppression Section only of the Technical Data Package List report - (T8).	RPT-001-19	3.2.1.1.15.1	Army/Marine Corps.	T
J0204	Reports	ACMS shall provide the user with a Parts List with Notes report - (A6).	RPT-001-2	3.2.1.1.15.1	Army/Marine Corps.	T
J0205	Reports	ACMS shall provide the user with the First Level Inspection/Documentation Suppression Sections only of the Technical Data Package List report - (T9).	RPT-001-20	3.2.1.1.15.1	Army/Marine Corps.	T
J0206	Reports	ACMS shall provide the user with the Outstanding Changes and VECP Sections only of the Technical Data Package List report - (TC).	RPT-001-21	3.2.1.1.15.1	Army/Marine Corps.	T
J0207	Reports	ACMS shall provide the user with the Engineering Exception Documents Section only of the Technical Data Package List report - (TE).	RPT-001-22	3.2.1.1.15.1	Army/Marine Corps.	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0208	Reports	ACMS shall provide the user with the Packaging Section only of the Technical Data Package List report - (TP).	RPT-001-23	3.2.1.1.15.1	Army/Marine Corps.	T
J0209	Reports	ACMS shall provide the user with the complete Technical Data Package List with Review Date report - (TR).	RPT-001-24	3.2.1.1.15.1	Army/Marine Corps.	T
J0210	Reports	ACMS shall provide the user with the Purge Frozen Baseline report - (F0).	RPT-001-25	3.2.1.1.15.1	Army, MC	T
J0211	Reports	ACMS shall provide the user with the Baseline Freeze report - (F1).	RPT-001-26	3.2.1.1.15.1	Army, MC	T
J0212	Reports	ACMS shall provide the user with the Baseline Freeze with TDPL report - (F2).	RPT-001-27	3.2.1.1.15.1	Army, MC	T
J0213	Reports	ACMS shall provide the user with the Baseline Freeze with EDL report - (F3).	RPT-001-28	3.2.1.1.15.1	Army, MC	T
J0214	Reports	ACMS shall provide the user with the Baseline Comparison report (F4).	RPT-001-29	3.2.1.1.15.1	Army/Marine Corps.	T
J0215	Reports	ACMS shall provide the user with a Parts List with Review Date report - (A8).	RPT-001-3	3.2.1.1.15.1	Army/Marine Corps.	T
J0216	Reports	ACMS shall provide the user with the Technical Loop - Contract report - (TU).	RPT-001-30	3.2.1.1.15.1	US Army	T
J0217	Reports	ACMS shall provide the user with the Technical Loop - Internal report - (TT).	RPT-001-31	3.2.1.1.15.1	US Army	T
J0218	Reports	ACMS shall provide the user with the Technical Loop - Internal and Contract report - (TB).	RPT-001-32	3.2.1.1.15.1	US Army	T
J0219	Reports	ACMS shall provide the user with the Generation Breakdown List (GBL) report - (C1).	RPT-001-33	3.2.1.1.15.1	Army	T
J0220	Reports	ACMS shall provide the user with the Generation Breakdown List (GBL) with Review Date report - (C2).	RPT-001-34	3.2.1.1.15.1	Army/Marine Corps.	T
J0221	Reports	ACMS shall provide the user with the Complete Configuration Breakdown including Loops report - (CB).	RPT-001-35	3.2.1.1.15.1	Army/Marine Corps.	T
J0222	Reports	ACMS shall provide the user with the Complete Configuration Breakdown Loops Only report - (CD).	RPT-001-36	3.2.1.1.15.1	Army/Marine Corps.	T
J0223	Reports	ACMS shall provide the user with the Modification Kit List report - (B5).	RPT-001-37	3.2.1.1.15.1	Army/Marine Corps.	T

Attachment E
ACMS Requirements from CMIS 5.1 SRS

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0224	Reports	ACMS shall provide the user with the Equipment List report - (B7).	RPT-001-38	3.2.1.1.15.1	Army/Marine Corps.	T
J0225	Reports	ACMS shall provide the user with the Inspection Equipment Supply List report - (B8).	RPT-001-39	3.2.1.1.15.1	Army/Marine Corps.	T
J0226	Reports	ACMS shall provide the user with a complete Engineering Data List (EDL) report - (E1).	RPT-001-4	3.2.1.1.15.1	Existing CLIP	T
J0227	Reports	ACMS shall provide the user with the Configuration Item/Specified Document Types report - (R1).	RPT-001-40	3.2.1.1.15.1	Army/Marine Corps.	T
J0228	Reports	ACMS shall provide the user with the Installed Configuration Freeze report - (P1).	RPT-001-45	3.2.1.1.15.1	Air Force	T
J0229	Reports	ACMS shall provide the user with the Purge Installed Configuration Freeze report - (P2).	RPT-001-46	3.2.1.1.15.1	Air Force	T
J0230	Reports	ACMS shall provide the user with the Platform Validation report - (P3).	RPT-001-47	3.2.1.1.15.1	Air Force, Navy	T
J0231	Reports	ACMS shall provide the user with the Life Left Calculation report - (P4).	RPT-001-48	3.2.1.1.15.1	Navy	T
J0232	Reports	ACMS shall provide the user with the Product Section only of the Engineering Data List (EDL) report -(E2).	RPT-001-5	3.2.1.1.15.1	Army/Marine Corps.	T
J0233	Reports	ACMS shall provide the user with the Inspection Section only of the Engineering Data List (EDL) report - (E3).	RPT-001-6	3.2.1.1.15.1	Army/Marine Corps.	T
J0234	Reports	ACMS shall provide the user with the Specifications/Standards Section only of the Engineering Data List (EDL) report - (E4).	RPT-001-7	3.2.1.1.15.1	Army/Marine Corps.	T
J0235	Reports	ACMS shall provide the user with the Outstanding Changes and VECP Sections only of the Engineering Data List (EDL) report - (EC).	RPT-001-8	3.2.1.1.15.1	Army/Marine Corps.	T
J0236	Reports	ACMS shall provide the user with the Engineering Exception Documents Section only of the Engineering Data List (EDL) report - (EE).	RPT-001-9	3.2.1.1.15.1	Army/Marine Corps.	T
J0237	Reports	ACMS shall provide the capability to display a list of ACMS batch reports and allow the users to select a report for printing.	RFV-001-1	N/A	System Feature	T
J0238	Reports	ACMS shall generate a Technical Data Package List (TDPL) for each part processed.	SS-026-2	N/A	MICOM	T
J0239	Permissions	ACMS shall provide the System Administrator the capability to add, delete, or modify functional group privileges for a specific user.	SA-014-1	3.2.6.10	Army CCSS	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0240	Permissions	ACMS shall display ACMS users and the functional access assigned.	SA-014-2	3.2.6.10	Army CCSS	T
J0241	Permissions	ACMS shall provide the System Administrator with the capability to add, delete, modify, or display groups assigned to a specific user.	SA-006-1	3.2.6.2.1	System	T
J0242	Permissions	ACMS shall provide the System Administrator the capability to add, update, delete, or elect to rename a group.	SA-002-1	3.2.6.2.2	System	T
J0243	Permissions	ACMS shall display the group name along with a list of user names associated with the group.	SA-003-1	3.2.6.2.4	System	T
J0244	Permissions	ACMS shall allow a user to select a user within the displayed group and view the user maintenance information.	SA-003-2	3.2.6.2.4	System	T
J0245	Permissions	The system shall allow the System Administrator or authorized user to update the menu options for a specific user group.	SA-004-1	3.2.6.2.5	System	T
J0246	System Administration	The system shall provide the System Administrator with the capability to globally replace an existing NIIN with another NIIN.	SA-022-1	3.2.6.17	MSC	T
J0247	System Administration	The system shall display all menu options for a specific user group.	SA-004-2	3.2.6.2.5	System	T
J0248	System Administration	ACMS shall display user information.	SA-005-1	3.2.6.3	System	T
J0249	System Administration	ACMS shall provide the System Administrator with the capability to create users, delete users. or update user information.	SA-005-2	3.2.6.3	System	T
J0250	System Administration	ACMS shall provide the System Administrator with a display of group names.	SA-019-1	3.2.6.4	System	T
J0251	System Administration	ACMS shall provide the System Administrator with the ability to add users to a selected group.	SA-019-2	3.2.6.4	System	T
J0252	System Administration	ACMS shall provide the capability for a user to select a printer for printing output.	SA-008-1	3.2.6.8	System	T
J0253	System Administration	ACMS shall provide an access algorithm that requires the user to enter a valid user ID/password combination for the selected database.	OMF-002-2	3.2.7.1	System	T
J0254	JEDMICS Interface	ACMS shall provide the user with the capability to record, request, display, and maintain available JEDMICS electronic image identifiers, sheet numbers and other image information which correspond to a document identifier.	CI-036-1	3.2.1.1.10.1	Army, MC	T
J0255	JEDMICS Interface	ACMS shall allow the user to select a single image or all images available from JEDMICS, based on the given request.	CI-036-2	3.2.1.1.10.1	Army, MC	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0256	JEDMICS Interface	On selection of the required image identifier, ACMS shall allow the user to select the JEDMICS electronic image for viewing.	CI-036-4	3.2.1.1.10.1	Army, MC	T
J0257	JEDMICS Interface	ACMS shall provide the capability to retrieve and view JEDMICS document image identifiers.	CI-016-8	3.2.1.1.2.1	Army, MSC	T
J0258	JEDMICS Interface	ACMS shall provide the capability to display and allow the user to select JEDMICS images by drawing numbers, type, CAGE, and revision combinations.	CC-103-1	3.2.3.4.2	JEDMICS Interface	T
J0259	Other Interface	ACMS shall import Information Handling Services (IHS) DoD Index of Specifications and Standards (DODISS) data into the CMIS database.	SS-021-1	N/A	Army	T
J0260	Other Interface	ACMS shall accept data consisting of a list of parts to be procured from Integrated Technical Item Management and Procurement System (ITIMP).	SS-022-1	N/A	Army	T
J0261	Other Interface	ACMS shall provide output data and a log of the Integrated Technical Item Management and Procurement System (ITIMP) process.	SS-022-2	N/A	Army	T
J0262	Other Interface	ACMS shall import Engineering Change Proposals, Request For Deviations, and Request For Waivers stored by MEARS into the ACMS database for review, revision, and update.	SS-023-1	N/A	Army	T
J0263	Other Interface	ACMS shall provide Integrated Technical Item Management and Procurement System (ITIMP) with a list of all appropriate documents for the technical data package (TDP) for each part.	SS-026-1	N/A	MICOM	T
J0264	Weapon System/End-Item Associations	ACMS shall provide the capability to record, display, and maintain configuration items (CIs) for a selected program type.	CSA-090-1	3.2.1.1.1.8	telecon 11/13/97	T
J0265	Weapon System/End-Item Associations	ACMS shall provide the capability to record, select, display, and maintain the configuration items and their details that are associated with a weapon system.	CI-011-1	3.2.3.1.6.1	Army	T
J0266	Version Control	ACMS shall provide the capability to record, display, and maintain the identity of modification instructions which caused the association of software version to a design structure.	CI-128-1	3.2.1.1.14.3	telecon 11/13/97	T
J0267	Version Control	ACMS shall provide the capability to record, display, and maintain the relationship between approved software and software version to a serialized asset by associating the approved software and version to a design part and serial number.	CI-129-1	3.2.1.1.14.9	telecon 11/13/97	T
J0268	Version Control	ACMS shall have the capability to update a document with a new revision, and optional new document type, or to update only the revision.	CI-032-1	3.2.1.1.2.6	Army	T
J0269	Version Control	ACMS shall retain the old revision records of documents for historical purposes.	CI-032-3	3.2.1.1.2.6	Navy	T
J0270	Version Control	ACMS shall provide the capability to record, display, and maintain the approved software and software version to a design structure by associating the approved software	CI-124-1	3.2.1.1.4.4	telecon 11/13/97	T

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
		and version to a design part.				
J0271	Document Identification	ACMS shall provide the capability to record, display, and maintain the document CAGE, document type, revision, and nomenclature for a given Document identifier.	CI-048-1	3.2.1.1.10	Army, MC, Navy	T
J0272	Search Capabilities	ACMS shall display a list of weapon systems generated in response to user search criteria.	CI-012-1	3.2.3.1.7	Army	T
J0273	Search Capabilities	ACMS shall display a list of configuration items generated in response to user search criteria.	CI-012-2	3.2.3.1.7	Army	T
J0274	Search Capabilities	ACMS shall provide users the capability to build, execute, save, and edit user-defined queries.	OMF-015-1	3.2.6.1	System	T
J0275	Search Capabilities	The system shall allow users to save or print the output reports created by running their queries.	OMF-015-4	3.2.6.1	System	T
J0276	CCB Support & History Retention	ACMS shall retain the old CCB record for historical purposes.	CC-064-4	3.2.2.6.1	Navy MODMIS/TIM	T
J0277	Security	ACMS shall provide the users the capability to change their password.	SA-007-1	3.2.6.7	System	T
J0278	Security	ACMS shall require the user to enter the old password, the new password, and verify the new password.	SA-007-2	3.2.6.7	System	T
J0279	User Interface	ACMS shall display user help information for a specific data element.	SA-017-1	3.2.7.1.11	System	T
J0280	Vendor Information	ACMS shall provide the capability to record, display, and maintain the vendor CAGE, name, division, address, phone number, and contact name for a selected CAGE.	CI-047-2	3.2.1.1.13	MSC	T
J0281	Where-Used Associations (Product/Part)	ACMS shall provide the capability to record, display, and update what serialized assets are installed on a weapon system/end item.	CSA-112-1	3.2.3.2.1.1	telecon 11/13/97	T
J0282	Where-Used Associations (Product/Part)	ACMS shall provide the capability to record, display, and update what serialized assets have been changed out on a weapon system/end item.	CSA-116-2	3.2.3.2.1	telecon 11/13/97	T
J0283	Where-Used Associations (Product/Part)	ACMS shall provide the capability to track and report on serial numbered items installed, removed, and replaced.	see Note 1		telecon 11/13/97	

Req No	Requirement Category	Requirement Description	CMIS Req No	CMIS SRS Para	Req Source	QM
J0284	Modification Kit Support	ACMS shall provide the capability to track and report on modification instructions from the time an engineering change action is approved, through assembly of the modification kit, to installation of the kit.	see Note 1		telecon 11/13/97	
J0285	Configuration Baseline Control	ACMS shall interface with the following logistics systems to receive changes As-Modified configurations: TBD	see Note 1		telecon 11/13/97	
J0286	Configuration Baseline Control	ACMS shall provide the capability to identify, associate, and report matched parts, so that users can identify what parts must be replaced together (i.e., replacement of one part means all the matched parts must be replaced).	see Note 1		telecon 11/13/97	
J0287	System Administration	ACMS shall be year 2000 compliant.	see Note 1		telecon 11/13/97	
	Note 1	Based on CMIS VALAIDS and configuration tracking requirements, per conversation with Gayle Booker and Jim Rickenbaugh (11-13-97). These represent Army unique requirements. See items #1 & #5 from CMIS SRS Eliminated Requirements.				